

PROJECTIONS AND PLANNING INFORMATION

CONTRA COSTA COUNTY

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call Jeanette Miller, (510) 602-1588
or (916) 262-2162.

State of California
Health and Welfare Agency



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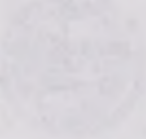
LABOR MARKET INFORMATION DIVISION

MISSION

WE PROMOTE CALIFORNIA'S ECONOMIC HEALTH BY PROVIDING INFORMATION TO HELP PEOPLE UNDERSTAND CALIFORNIA'S ECONOMY AND MAKE INFORMED LABOR MARKET CHOICES.

VISION

WE ARE THE LABOR MARKET INFORMATION SOURCE FOR CALIFORNIA AND A NATIONAL LEADER IN LABOR MARKET INFORMATION. WE ARE AN INNOVATIVE, CREATIVE AND EXPERT CONSULTING ORGANIZATION; AN ECONOMIC DEVELOPMENT AND RESEARCH PARTNER; AND A PRESTIGIOUS AND HIGHLY CREDIBLE ORGANIZATION.



LABOR MARKET INFORMATION DIVISION

MISSION

WE PROVIDE CALIFORNIA'S ECONOMIC BEATERS WITH THE INFORMATION TO HELP THEM MAKE BETTER BUSINESS DECISIONS AND TAKE ADVANTAGE OF OPPORTUNITIES.

VISION

WE ARE THE LABOR MARKET INFORMATION SOURCE FOR CALIFORNIA AND A NATIONAL LEADER IN LABOR MARKET INFORMATION. WE ARE AN INNOVATIVE, CREATIVE AND HIGHLY EFFECTIVE ORGANIZATION. AN EXCELLENT EMPLOYMENT AND TRAINING SOURCE AND A PRESTIGIOUS AND HIGHLY RESPECTED ORGANIZATION.

Projections & Planning Information

Module A:

Introduction

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Projections and Planning Information

CONTRA COSTA COUNTY

Replace Module A: INTRODUCTION

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**EMPLOYMENT DEVELOPMENT DEPARTMENT
LABOR MARKET INFORMATION DIVISION**

For questions about this report, call (916) 262-2162.



PROBATION AND REENTRY

A. J. HARRIS

THE PROBATION DEPARTMENT

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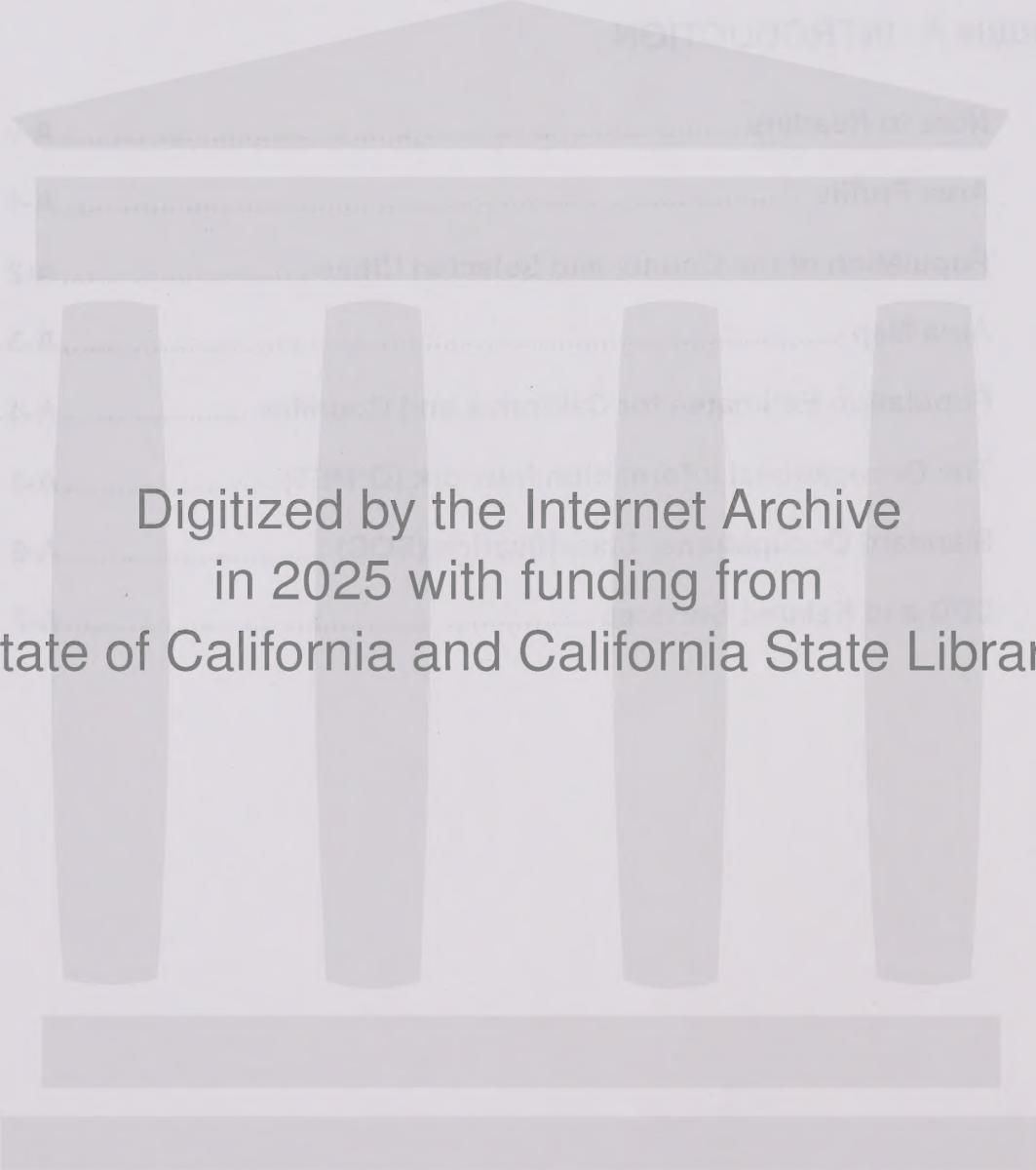
THE PROBATION DEPARTMENT

THE PROBATION DEPARTMENT

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Note to Readers

The Employment Development Department's Labor Market Information Division (LMID) regularly collects, analyzes, and publishes information about California's labor market, which consists of approximately 15 million workers and 1 million employers. In addition to employment and unemployment data, LMID provides economic planning information, industry and occupational information, social and demographic information, and a variety of other statistics.

LMID produces the Projection and Planning Information publication (PPI) for 57 counties and the State. Each module within the PPI is designed to present data in a clear and usable form. The variety and number of reports within each module are intended to answer the most frequently asked questions. These modules are updated as new information becomes available and are delivered to customers for inclusion in a three-ring binder.

Customers may choose some or all of the following modules:

Module A: Introduction *Information about the featured county and population tables providing data for the past and present. Additional resources for exploring various occupations.*

- Area Profile
- Area Map
- County/City Population
- Population Estimates for California and Counties
- O*NET The Occupational Network
- Standard Occupational Classification (SOC)
- EDD and Related Websites

Module B: Labor Force *Current and historical labor force, employment, unemployment and unemployment rates.*

- State Map of Current Annual Average Rates by County
- Annual Average Unemployment Rates
- Monthly and Annual Average Data

Module C: Wage and Salary Employment *Current and historical wage and salary employment data.*

- Annual Average Data
- Monthly Data

Module D: Projections *Information for estimating job opportunities, developing training programs, and gaining an insight into future employment trends.*

- Description of Industry and Occupational Tables
- Training Level Definitions
- Industry Trends and Outlook
- Employment by Major Industry
- Industry Employment Projections
- Employment by Major Occupational Group
- Occupations with the Greatest Absolute Job Growth (Growth plus Separations)
- Occupations with the Fastest Job Growth
- Occupational Employment Projections
- Occupations with Most Openings
- Occupations with Projected Declines
- Alphabetical Index of Occupations
- Description of Standard Industrial Classification (SIC) and North American Industry Classification (NAICS)
- Methods and Economic Assumptions

Module E: Occupational Wages *Occupational Employment Statistics (OES) Wage Survey results and explanation of methodology.*

- Occupational Wages for Selected Counties

Module F: Social and Economic Data *Tables from the U.S. Department of Commerce, the Census Bureau, and various State agencies.*

- Public Assistance Recipients by Program
- Public Assistance Recipients by Program (CalWORKs), Characteristics of Recipients
- Occupations with the Greatest Absolute Job Growth
- Lower Living Standard Income Levels and Poverty Guidelines
- Planning Information for Local Workforce Investment Areas
- Profile of General Demographic Characteristics
- Explanation of Terms and Concepts
- Nondiscrimination Information

Contra Costa County

Situated to the east of San Francisco Bay, Contra Costa County belongs to one of California's busiest urban centers—the San Francisco Bay Area. The county covers about 798 square miles, extending from the northeastern shore of San Francisco Bay east for approximately fifty miles to San Joaquin County. The county is bordered on the south and west by Alameda County and on the north by Suisun and San Pablo Bays.

Contra Costa County's western portion, which is highly industrialized, includes the cities of El Cerrito, Richmond, San Pablo, Pinole, and Hercules. The central section of the county—including the cities of Walnut Creek, Clayton, Concord, Pleasant Hill, Martinez, Lafayette, Moraga, Orinda, Danville and San Ramon—is developing from a suburban area into a major commercial and financial headquarters. While the western and northern area shorelines are highly industrialized, the interior sections are residential, commercial, and light industrial. Large numbers of new homes are being built in the eastern portion of the county and also to the south in the Dougherty Valley.

Availability of a broad transportation network has been one of the major factors in the county's economic and resident growth. Interstate 80 connects the western portion of the county to San Francisco, Sacramento, and points north to Interstate 5. Interstate 680 connects the central county communities to the rest of the Bay Area via State Highways 4 and 24, the county's major east-west arteries. A large part of the county is served by the Bay Area Rapid Transit (BART), encouraging the expansion of both commercial and residential development.

Over the past decade the availability of rapid transit, close proximity to major employment hubs, and relatively affordable existing and new housing have combined to attract new residents and companies, moving from more expensive sections of the Bay area into the western and central parts of Contra Costa County. While there is a tremendous amount of growth and development in Contra Costa County, much of the land is still rural with an abundance of open space providing many recreational opportunities.

Contra Costa County

Population of the County and Selected Cities 1980, 1990, 2000, and 2001

Political Subdivisions	1980 (a)	1990 (b)	2000 (c)	2001 (d)	Percent Change	
					1990 to 2000	2000 to 2001
Total	656,331	803,732	948,816	972,100	18.1%	2.5%
Antioch	42,683	62,195	90,532	93,800	45.6%	3.6%
Brentwood	4,434	7,563	23,302	25,350	208.1%	8.8%
Clayton	4,325	7,317	10,762	11,000	47.1%	2.2%
Concord	103,763	111,348	121,780	124,200	9.4%	2.0%
Danville (e)	26,143	31,306	41,715	42,850	33.2%	2.7%
El Cerrito	22,731	22,869	23,171	23,550	1.3%	1.6%
Hercules	5,963	16,829	19,488	20,000	15.8%	2.6%
Lafayette	20,837	23,501	23,908	24,200	1.7%	1.2%
Martinez	22,582	31,808	35,866	36,500	12.8%	1.8%
Moraga	15,014	15,852	16,290	16,550	2.8%	1.6%
Oakley (e)	NA	NA	25,619	26,200	NA	2.3%
Orinda (e)	17,070	16,642	17,599	17,850	5.8%	1.4%
Pinole	14,253	17,460	19,039	19,450	9.0%	2.2%
Pittsburg	33,465	47,564	56,769	58,600	19.4%	3.2%
Pleasant Hill	25,547	31,585	32,837	33,350	4.0%	1.6%
Richmond	74,676	87,425	99,216	101,700	13.5%	2.5%
San Pablo	19,750	25,158	30,215	31,000	20.1%	2.6%
San Ramon (e)	20,511	35,303	44,722	46,100	26.7%	3.1%
Walnut Creek	54,033	60,569	64,296	65,800	6.2%	2.3%
Balance of County	128,551	151,438	151,690	154,050	0.2%	1.6%

(a) Census of Population, April 1, 1980.

(b) Census of Population, April 1, 1990.

(c) Census of Population, April 1, 2000.

(d) California Department of Finance revised estimates for January 1, 2001.

Parts may not add to total due to independent rounding.

(e) Incorporated after the 1980 Census.

NA- Not applicable

Contra Costa County



Population Estimates for California and Counties

	January		Percent Change		January		Percent Change
	2000	2001			2000	2001	
California	34,207,000	34,818,000	1.8%	Orange	2,867,700	2,925,700	2.0%
Alameda	1,455,300	1,479,100	1.6%	Placer	248,700	257,500	3.5%
Alpine	1,200	1,220	1.7%	Plumas	21,000	21,100	0.5%
Amador	35,250	35,400	0.4%	Riverside	1,557,800	1,609,400	3.3%
Butte	204,600	205,800	0.6%	Sacramento	1,230,700	1,258,600	2.3%
Calaveras	40,950	41,100	0.4%	San Benito	53,800	55,200	2.6%
Colusa	19,050	19,200	0.8%	San Bernardino	1,726,800	1,764,300	2.2%
Contra Costa	955,900	972,100	1.7%	San Diego	2,835,400	2,883,600	1.7%
Del Norte	28,050	28,100	0.2%	San Francisco	781,900	793,700	1.5%
El Dorado	157,200	159,700	1.6%	San Joaquin	568,300	583,700	2.7%
Fresno	810,300	823,900	1.7%	San Luis Obispo	248,200	252,100	1.6%
Glenn	26,800	26,800	0.0%	San Mateo	713,900	720,100	0.9%
Humboldt	127,400	127,800	0.3%	Santa Barbara	403,500	408,900	1.3%
Imperial	146,600	150,900	2.9%	Santa Clara	1,698,800	1,723,700	1.5%
Inyo	18,250	18,150	-0.5%	Santa Cruz	258,000	259,800	0.7%
Kern	671,300	685,800	2.2%	Shasta	164,300	165,700	0.9%
Kings	132,100	136,100	3.0%	Sierra	3,580	3,560	-0.6%
Lake	58,700	59,300	1.0%	Siskiyou	44,750	44,300	-1.0%
Lassen	34,850	35,900	3.0%	Solano	396,900	403,400	1.6%
Los Angeles	9,643,100	9,802,800	1.7%	Sonoma	461,700	468,800	1.5%
Madera	125,800	129,400	2.9%	Stanislaus	451,000	459,900	2.0%
Marin	248,700	250,400	0.7%	Sutter	79,700	80,900	1.5%
Mariposa	17,200	17,200	0.0%	Tehama	56,400	56,800	0.7%
Mendocino	87,100	87,300	0.2%	Trinity	13,150	13,050	-0.8%
Merced	212,800	216,700	1.8%	Tulare	373,100	377,500	1.2%
Modoc	9,550	9,600	0.5%	Tuolumne	54,800	55,200	0.7%
Mono	12,950	13,350	3.1%	Ventura	759,400	773,500	1.9%
Monterey	405,200	410,800	1.4%	Yolo	169,300	173,500	2.5%
Napa	125,100	126,200	0.9%	Yuba	60,900	60,800	-0.2%
Nevada	92,300	94,000	1.8%				

SOURCE: State of California, Department of Finance, Population Estimates for California Cities and Counties.
Report E-1. Sacramento, California, May 2001.

O*NET

The Occupational Information Network

The *Occupational Information Network* (O*NET) is the U.S. Department of Labor's recent replacement to the long-standing Dictionary of Occupational Titles (DOT). First released in 1998 and made available as an Internet application in 2001, O*NET was created for the general public to provide broad access to occupational information.

The O*NET system includes information on skills, abilities, knowledge, work activities, and interests associated with occupations. This information can be used to facilitate career exploration, vocational counseling, and a variety of human resources functions, such as developing job orders and position descriptions and aligning training with current workplace needs.

The gathering and classification of information was done with many different users in mind, including human resource personnel, industry analysts, students, rehabilitation counselors, workforce researchers, managers, displaced workers and more. Information in O*NET is available for over 950 occupations. Each occupational title and code is based on the most current version of the Standard Occupational Classification system.

O*NET OnLine offers users the chance to:

- Find occupations to explore, either by skill requirements or using key words
- Search for occupations that use their skills
- Look at related occupations with similar skills requirements
- View and print snapshot reports listing top tasks and skills requirements for an occupation
- View occupation details

- Use crosswalks to find occupations using titles from other classification systems
- Connect to other on-line career information resources to see current wage and outlook information
- Access comprehensive information on-line

The information currently available through O*NET was developed by job analysts; however, workers and employers themselves, describing what they do and the necessary skills, will contribute to data and ratings beginning in the year 2003.

The U.S. Department of Labor's Employment and Training Administration looked to both public and private entities in the development of O*NET. State-based Occupational Analysis Field Centers and Assessment Research and Development Program Centers provided regional support. Private sector firms are also assisting with the implementation of the project.

If it is to be current, comprehensive and inclusive, the O*NET System will require a continuous process of database building. DOL welcomes the participation of employers or representatives of organizations that can contribute occupational information. The massive and growing O*NET data collection and database will be maintained by the newly established National O*NET Consortium.

For further information contact O*NET:

O*NET Project
DOL Office of Policy and Research
200 Constitution Ave., NW, MS N5637
Washington, DC 20210
(202) 693-3660

<http://www.doleta.gov/programs/onet/>

Standard Occupational Classification (SOC)

The Standard Occupational Classification (SOC) 1998 System was developed in response to a growing need for a universal occupational classification system—a system which would allow government agencies and private industry to produce comparable data. The SOC system was designed to cover all occupations in which work is performed for pay or profit and will be used by all federal agencies to classify workers into occupational categories for the purpose of collecting, calculating, or disseminating data.

General Characteristics of the Revised SOC

This system classifies workers at four levels of aggregation:

- major group
- minor group
- broad occupation
- detailed occupation

All workers are classified into one of over 820 occupations, according to their occupational definition. To facilitate classification, all occupations are clustered into one of 23 major groups. Within these major groups, there are 96 minor groups, and 449 broad occupations. Each broad occupation includes detailed occupation(s) requiring similar job duties, skills, education, or experience.

The following example shows the hierarchical structure of the 1998 SOC:

19-0000 Life, physical, and social science occupations (*major group*)

19-000 Life scientists (*minor group*)

19-1020 Biological scientists (*broad occupation*)

19-1021 Biochemists and biophysicists (*detailed occupation*)

19-1022 Microbiologists (*detailed occupation*)

19-1023 Zoologists and wildlife biologists (*detailed occupation*)

19-1029 Biological scientists, all other (*detailed occupation*)

Data collected by the 2000 Census of Population will be coded to the 1998 SOC; the Department of Labor's Occupational Information Network (O*NET), adheres to the 1998 SOC. In fact, all federal government agencies that collect occupational data are expected to adopt the 1998 SOC over the next few years.

Additional information, updated revision plans, and information on the implementation of the 1998 SOC are available at the Bureau of Labor Statistics (BLS) Internet site:

<http://stats.bls.gov/soc>

Job Services for Employers and Job Seekers

The Employment Development Department (EDD) is the largest source of personnel recruitment in California. There is no fee to employers or job seekers. Employers may wish to place a job order with EDD or ask about other available services. Job seekers may wish to complete an application to be matched against employer job orders or to request other assistance in finding a job or training.

The **EDD Job Service** is the public employment service for the State of California. From locations in over 200 communities, the EDD Job Service program serves the State's 900,000 employers and the one million or more job seekers who use the services each year.

The EDD Job Service is authorized by the federal Wagner-Peyser Act, as amended by the Workforce Investment Act of 1998. The EDD plans and delivers the services in California in partnership with other employment and training organizations in the One-Stop Career Centers created by the Workforce Investment Act of 1998. The EDD's Job Service offers a variety of services that bring employers with job openings and qualified job seekers together.

CalJOBS – California's Internet system for linking employer job listings and job seeker resumes. CalJOBS is available at EDD Job Service locations, One-Stop Career Centers, and anywhere there is Internet access.

Special features of CalJOBS include:

- No fees
- Wide variety of job listings and job seekers
- Easy access:

<http://www.caljobs.ca.gov>

Employer Advisory Councils work closely with Job Service to sponsor employer seminars, job fairs and other events which provide information and guidance for job seekers and local business.

Additional Services to Job Seekers

- Job search workshops
- Referral to partner agencies that provide other employment related services, including training.

Additional Services to Employers

- Reemployment services for dislocated workers.
- Current labor market information.
- Focused recruitment campaigns.
- Locally coordinated workforce preparation services.

If you are interested in any of the above services, or would like information about the location of the Job Service office nearest you, contact the call center listed below.

Bay Area	415-749-7503
Los Angeles	213-833-7900
Orange	714-518-2315
Riverside	909-955-2200
Sacramento	916-227-0301
San Diego	619-266-4200

California's Labor Market and Occupational Information is only a click away ...

Use your computer to view and/or download important economic data directly from us —
24 hours a day, seven days a week!

<http://www.calmis.ca.gov>

Data available on-line:

Agriculture Statewide and county employment and earnings data for selected crops and industries.

Demographics Statewide and county census data, population tables, income statistics, and data for nondiscrimination programs.

Industry Current and historical employment data, projections of employment, hours and earnings, and size of firm data.

Labor Force Monthly, historical, and annual average labor force data by county, MSA, and statewide; labor market conditions in California, and employment characteristics.

Resources Contact lists for area consultants, local partners for the California Cooperative Occupational Information System (CCOIS), publications available, and resources for additional data.

Occupations Projections of employment by occupation, the California License Handbook, the California Occupational Guides, the Occupational Guide Wage Supplement and the Occupational Outlook Reports.

Visit our interactive on-line sites:

Labor Market Information for Economic Development (LMI4ED) Provides industry trends and occupational information in an interactive application. Users can search for data by county and industry or occupation, select individual items for display, and produce customized tables. LMI4ED is available at:

<http://www.lmi4ed.ca.gov>

California Career & Training Information System (CaCTIS) Provides job seekers and career development professionals easy access to occupational wages and outlook, training information and job openings. CaCTIS is available at:

<http://www.cactis.ca.gov>

Publications and Information: Publications Desk (916) 262-2162

Internet Assistance: (916) 262-2213 or (916) 262-2340

Related Websites

Local Government

CA local government agencies

http://www.ceres.ca.gov/geo_area/counties

Sacramento Area Commerce and Trade Organization

<http://www.sactoedc.org>

State Government

California's Home Page — Links to all state government agencies

<http://www.ca.gov>

EDD Home Page

<http://www.edd.ca.gov>

California Career Resource Network (CalCRN) — CalCRN is an interagency committee created to promote the development and use of occupational and career information.

<http://www.soicc.ca.gov>

California Department of Finance (DOF) — DOF provides demographic information, population estimates, and cost of living information.

<http://www.dof.ca.gov>

California One-Stop Career Centers

<http://www.sjtcc.ca.gov/sjtccweb/one-stop>

California School To Career (STC) — School-to-Career is a method of teaching that prepares students for college and the job market by integrating academic studies with real world applications and work based learning experiences.

<http://www.stc.ca.gov>

California's Job Bank

<http://www.caljobs.ca.gov>

Department Of Industrial Relations (DIR) — Worker's Compensation, labor law, and statistics.

<http://www.dir.ca.gov>

Federal Government

Federal Department of Labor, Bureau of Labor Statistics

<http://stats.bls.gov>

Bureau of the Census

<http://www.census.gov>

Library of Congress

<http://lcweb.loc.gov>

America's Job Bank

<http://www.ajb.dni.us>

Projections & Planning Information

Module B:

Labor Force

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Module B: Labor Force

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Labor Force

Labor force statistics are derived from the monthly Current Population Survey (CPS) conducted by the Bureau of Census for the Bureau of Labor Statistics (BLS). This monthly survey collects demographic data including employment and unemployment status for all states. The CPS sample consists of over 60,000 households nationwide with over 4,600 households in California. These data represent counts of individuals by place of residence rather than a count of jobs.

County-level labor force data, with the exception of Los Angeles county, are derived using a variety of information including CPS information, Wage and Salary Employment, and unemployment claims data for local areas.

Civilian Labor Force includes all non-institutional civilians, 16 years of age and older, who are working or looking for work: the sum of employed and unemployed.

Civilian Employment includes all individuals who are working, either for a wage or salary, self-employed, working at least one hour for pay or profit each week, or working at least 15 unpaid hours in a family business. Those who are on vacation, other kinds of leave, or involved in a labor dispute, are also counted as employed (whether or not they were paid for the time off).

Civilian Unemployment includes those individuals who are not working but are able, available and looking for work.

Unemployment Rate is the number of unemployed individuals expressed as a percentage of the civilian labor force.

Suggestions for Users

Regular users of labor force data include grant writers, economic development professionals, government agencies and local social service agencies. This section also provides suggestions for the first time user, the job hunter and the occasional user.

- County labor force data are not seasonally adjusted. It is important to request "not seasonally

adjusted" labor force data for the state and the nation to make a valid comparison.

- The employment and unemployment figures tend to vary from month to month for many reasons. As a result, the annual average figures, over time, tend to be a better estimate of the labor force trends within the area.
- The unemployment rate may not reflect the economic conditions in all areas of the county. The labor market can vary greatly in different industries, in different occupations, and in different parts of the county.
- Month-to-month labor force data are a useful indicator of seasonal changes in an area, such as outdoor activities (i.e. construction), holiday hiring, school schedules and agricultural patterns.
- California labor force data for years prior to 1990 are not directly comparable with data for 1990 and later years due to the introduction of the 1990 Census population controls.

Additional Sources of Information:

- Bureau of Labor Statistics, Occupational Outlook Handbook
- California Association for Local Economic Development (CALED)
- Local Chambers of Commerce
- Local Economic Development Organizations
- Newspapers

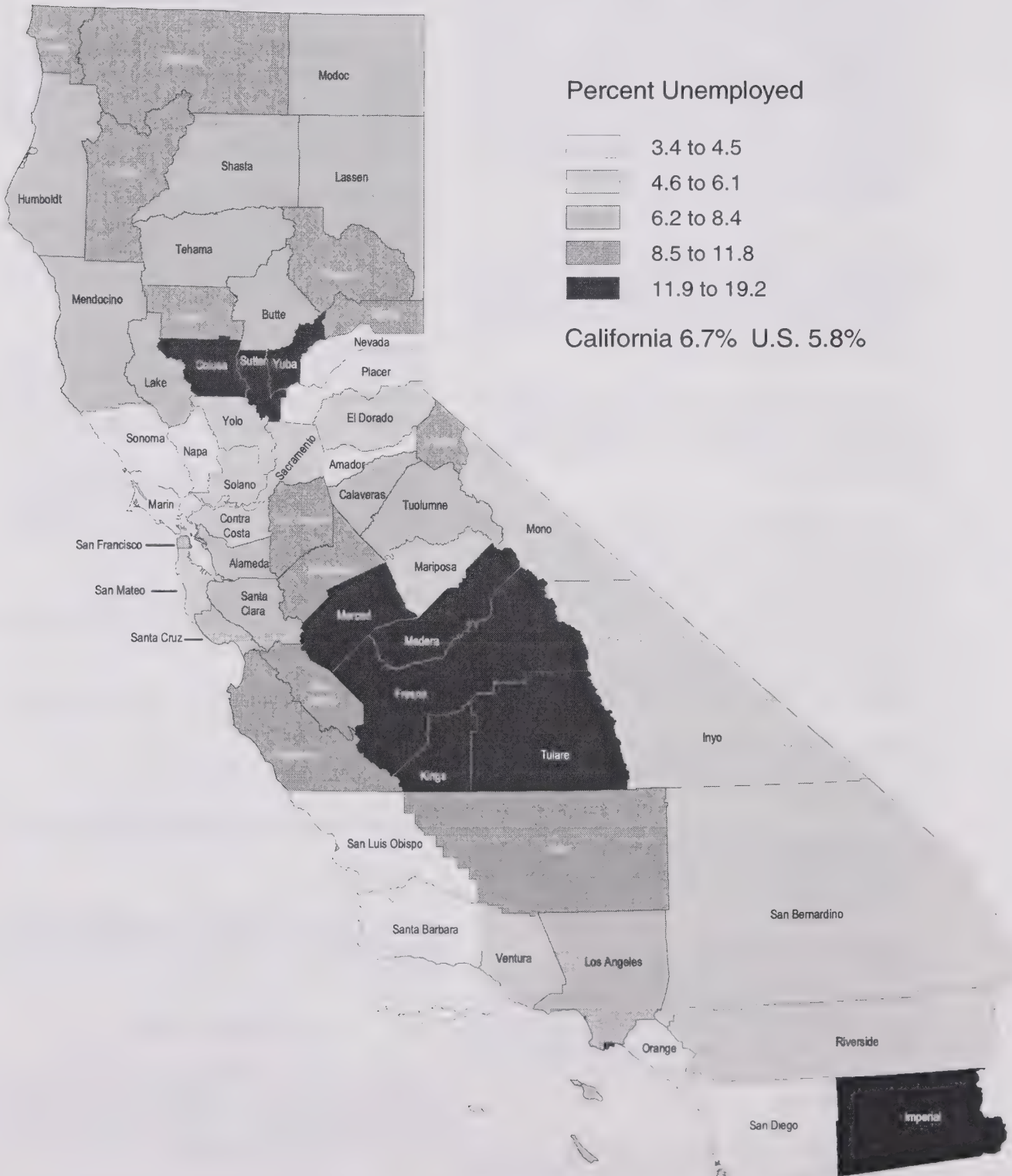
Electronic access to data is available through the Employment Development Department's Internet address at:

www.calmis.ca.gov

Please call **(916) 262-2162** for additional information or technical assistance, to obtain current monthly data, or contact information for local labor market consultants.

County Unemployment Rates

2002 Annual Averages



United States, California and Counties
Unemployment Rates
2001, 2002 Annual Averages*

	2001	2002		2001	2002
U.S.	4.7	5.8			
CALIFORNIA	5.4	6.7			
Alameda	4.6	6.8	Orange	3.0	4.1
Alpine	9.6	9.8	Placer	3.5	4.5
Amador	3.9	4.4	Plumas	8.5	9.0
Butte	7.1	7.7	Riverside	5.2	6.1
Calaveras	6.0	7.0	Sacramento	4.2	5.4
Colusa	15.6	16.4	San Benito	8.4	10.0
Contra Costa	3.3	5.2	San Bernardino	4.8	5.7
Del Norte	8.8	9.3	San Diego	3.2	4.3
El Dorado	4.0	5.0	San Francisco	5.2	7.3
Fresno	13.8	14.4	San Joaquin	8.8	10.1
Glenn	9.6	10.2	San Luis Obispo	2.8	3.4
Humboldt	6.0	6.5	San Mateo	2.9	5.0
Imperial	21.8	19.2	Santa Barbara	3.5	4.2
Inyo	4.9	5.9	Santa Clara	4.6	8.4
Kern	10.7	11.8	Santa Cruz	6.2	8.0
Kings	13.7	14.6	Shasta	6.8	7.4
Lake	7.3	8.4	Sierra	9.7	11.4
Lassen	6.7	6.7	Siskiyou	9.4	9.8
Los Angeles	5.7	6.8	Solano	4.1	5.5
Madera	12.2	12.7	Sonoma	3.0	4.5
Marin	2.5	3.9	Stanislaus	10.3	11.4
Mariposa	5.6	5.8	Sutter	12.4	13.6
Mendocino	6.7	7.2	Tehama	6.4	6.8
Merced	14.1	14.4	Trinity	9.9	9.7
Modoc	6.1	6.7	Tulare	15.5	15.5
Mono	5.3	5.6	Tuolumne	5.6	6.4
Monterey	9.4	10.5	Ventura	4.6	5.4
Napa	3.2	4.3	Yolo	4.3	5.0
Nevada	3.6	4.5	Yuba	12.1	13.3

*March 2002 Benchmark figures.

Contra Costa County
Civilian Labor Force, Employment and Unemployment
 (2002 Benchmark)
 Annual Averages 1990–2002

	Labor Force	Employment	Unemployment	Rate
2002	523,800	496,700	27,100	5.2%
2001	514,800	497,900	16,900	3.3%
2000	500,400	486,800	13,600	2.7%
1999	490,100	475,300	14,800	3.0%
1998	479,900	462,600	17,300	3.6%
1997	472,800	453,200	19,600	4.1%
1996	459,500	437,000	22,500	4.9%
1995	456,000	429,900	26,100	5.7%
1994	456,800	428,700	28,100	6.2%
1993	444,000	414,900	29,100	6.6%
1992	443,800	414,700	29,100	6.6%
1991	434,900	411,400	23,500	5.4%
1990	437,100	419,600	17,500	4.0%

Notes:

- (1) The unemployment rate is calculated using unrounded data.
- (2) Due to the introduction of the 1990 census population figures, the data for years prior to 1990 are not comparable with data for 1990 and later years.

Effective with the release of January 2003 data in February 2003, labor force data for all areas have been revised back to January 2000. This revision is the result of incorporation of the 2000 Census population controls at the State level and changes in methodology. Therefore, data for years prior to 2000 are not comparable with data for 2000 and later years.

Contra Costa County
Civilian Labor Force, Employment and Unemployment
(2002 Benchmark)

	Labor Force	Employment	Unemployment	Rate
2002 January	517,400	492,600	24,800	4.8%
February	519,300	494,400	24,900	4.8%
March	521,700	496,100	25,600	4.9%
April	518,000	492,800	25,100	4.8%
May	517,400	492,500	24,900	4.8%
June	522,900	494,700	28,100	5.4%
July	526,800	496,800	30,000	5.7%
August	527,700	498,900	28,800	5.5%
September	523,100	494,600	28,500	5.4%
October	531,700	502,900	28,800	5.4%
November	531,100	502,400	28,600	5.4%
December	529,600	502,200	27,400	5.2%
Annual Average	523,800	496,700	27,100	5.2%
2001 January	512,500	498,500	13,900	2.7%
February	512,800	499,200	13,600	2.7%
March	515,000	501,700	13,300	2.6%
April	511,400	497,700	13,700	2.7%
May	511,100	496,800	14,200	2.8%
June	514,500	497,100	17,300	3.4%
July	518,100	498,900	19,200	3.7%
August	518,400	499,700	18,800	3.6%
September	513,800	495,100	18,700	3.6%
October	517,500	497,500	20,000	3.9%
November	516,500	495,800	20,700	4.0%
December	516,000	496,800	19,200	3.7%
Annual Average	514,800	497,900	16,900	3.3%
2000 January	490,400	475,500	14,900	3.0%
February	491,500	477,100	14,500	2.9%
March	495,000	480,800	14,200	2.9%
April	497,000	484,000	13,000	2.6%
May	496,500	483,300	13,200	2.6%
June	501,100	486,100	15,000	3.0%
July	504,500	489,000	15,500	3.1%
August	506,000	491,800	14,100	2.8%
September	501,800	488,600	13,200	2.6%
October	505,900	493,400	12,500	2.5%
November	506,900	494,600	12,300	2.4%
December	508,100	497,000	11,000	2.2%
Annual Average	500,400	486,800	13,600	2.7%

Contra Costa County
Civilian Labor Force, Employment and Unemployment
(2002 Benchmark)

1999	January	482,700	465,800	16,900	3.5%
	February	484,100	467,600	16,600	3.4%
	March	486,500	470,900	15,600	3.2%
	April	486,700	472,200	14,500	3.0%
	May	487,200	473,900	13,400	2.7%
	June	488,400	473,500	14,900	3.1%
	July	493,300	476,800	16,500	3.3%
	August	494,900	479,700	15,200	3.1%
	September	490,100	475,800	14,300	2.9%
	October	494,500	480,600	13,900	2.8%
	November	494,800	481,300	13,600	2.7%
	December	498,000	485,400	12,600	2.5%
	Annual Average	490,100	475,300	14,800	3.0%
1998	January	477,900	457,200	20,700	4.3%
	February	478,500	458,700	19,800	4.1%
	March	478,900	460,700	18,200	3.8%
	April	476,800	459,700	17,100	3.6%
	May	476,900	460,200	16,600	3.5%
	June	479,100	460,900	18,100	3.8%
	July	481,900	462,900	19,000	3.9%
	August	482,400	464,800	17,600	3.6%
	September	479,600	462,700	16,900	3.5%
	October	481,300	466,100	15,200	3.2%
	November	482,600	468,000	14,600	3.0%
	December	483,700	469,500	14,200	2.9%
	Annual Average	479,900	462,600	17,300	3.6%
1997	January	467,200	444,900	22,300	4.8%
	February	468,100	447,300	20,800	4.4%
	March	469,200	449,900	19,300	4.1%
	April	466,500	447,700	18,900	4.0%
	May	467,600	448,700	18,900	4.0%
	June	472,700	452,100	20,600	4.4%
	July	476,700	454,900	21,800	4.6%
	August	476,600	456,300	20,400	4.3%
	September	474,700	455,100	19,600	4.1%
	October	477,500	459,100	18,400	3.9%
	November	478,100	460,600	17,400	3.6%
	December	478,500	462,300	16,200	3.4%
	Annual Average	472,800	453,200	19,600	4.1%

Contra Costa County
Civilian Labor Force, Employment and Unemployment
(2002 Benchmark)

1996	January	455,300	429,600	25,700	5.6%
	February	455,800	430,500	25,300	5.5%
	March	455,600	431,600	24,100	5.3%
	April	451,400	428,400	23,000	5.1%
	May	452,500	430,300	22,300	4.9%
	June	457,900	435,300	22,600	4.9%
	July	462,300	438,600	23,700	5.1%
	August	462,000	439,800	22,100	4.8%
	September	460,800	438,600	22,200	4.8%
	October	465,900	445,100	20,800	4.5%
	November	467,300	447,500	19,800	4.2%
	December	466,800	448,200	18,700	4.0%
	Annual Average	459,500	437,000	22,500	4.9%
1995	January	456,500	427,400	29,100	6.4%
	February	456,400	429,400	27,000	5.9%
	March	456,000	429,800	26,200	5.7%
	April	452,400	426,100	26,300	5.8%
	May	451,700	425,600	26,100	5.8%
	June	456,300	428,700	27,600	6.0%
	July	460,100	431,200	28,900	6.3%
	August	460,000	433,000	27,000	5.9%
	September	455,700	429,500	26,200	5.7%
	October	456,000	431,700	24,300	5.3%
	November	456,400	433,200	23,200	5.1%
	December	455,300	433,500	21,800	4.8%
	Annual Average	456,000	429,900	26,100	5.7%
1994	January	454,300	424,400	29,900	6.6%
	February	455,600	425,800	29,800	6.5%
	March	455,800	428,200	27,600	6.1%
	April	454,100	426,800	27,300	6.0%
	May	455,700	427,500	28,200	6.2%
	June	457,200	427,600	29,600	6.5%
	July	461,300	429,600	31,700	6.9%
	August	461,300	432,200	29,100	6.3%
	September	455,300	427,600	27,700	6.1%
	October	458,300	431,600	26,700	5.8%
	November	457,000	431,700	25,300	5.5%
	December	454,600	430,900	23,700	5.2%
	Annual Average	456,800	428,700	28,100	6.2%

Contra Costa County
Civilian Labor Force, Employment and Unemployment
(2002 Benchmark)

1993	January	446,500	415,000	31,500	7.0%
	February	444,800	414,900	29,900	6.7%
	March	443,600	415,200	28,400	6.4%
	April	439,700	412,400	27,300	6.2%
	May	439,700	411,800	27,900	6.3%
	June	442,600	412,600	30,000	6.8%
	July	446,500	414,700	31,800	7.1%
	August	445,900	415,900	30,000	6.7%
	September	440,100	411,000	29,100	6.6%
	October	446,000	417,300	28,700	6.4%
	November	446,600	418,600	28,000	6.3%
	December	445,900	419,500	26,400	5.9%
	Annual Average	444,000	414,900	29,100	6.6%
1992	January	439,300	412,600	26,700	6.1%
	February	442,400	414,100	28,300	6.4%
	March	442,300	415,500	26,800	6.1%
	April	438,400	411,400	27,000	6.2%
	May	439,700	411,900	27,800	6.3%
	June	442,500	412,300	30,200	6.8%
	July	447,000	414,800	32,200	7.2%
	August	447,500	416,100	31,400	7.0%
	September	443,600	412,700	30,900	7.0%
	October	447,800	418,000	29,800	6.7%
	November	447,800	418,500	29,300	6.5%
	December	446,500	418,200	28,300	6.3%
	Annual Average	443,800	414,700	29,100	6.6%
1991	January	436,600	413,300	23,300	5.3%
	February	435,300	412,000	23,300	5.4%
	March	436,100	412,500	23,600	5.4%
	April	432,500	409,200	23,300	5.4%
	May	431,800	408,400	23,400	5.4%
	June	433,900	409,100	24,800	5.7%
	July	441,000	414,800	26,200	5.9%
	August	436,200	412,600	23,600	5.4%
	September	427,600	404,200	23,400	5.5%
	October	433,400	410,800	22,600	5.2%
	November	437,200	414,700	22,500	5.2%
	December	437,200	415,500	21,700	5.0%
	Annual Average	434,900	411,400	23,500	5.4%

Contra Costa County
Civilian Labor Force, Employment and Unemployment
(2002 Benchmark)

1990 January	440,400	424,000	16,400	3.7%
February	435,700	419,500	16,100	3.7%
March	434,800	419,900	14,900	3.4%
April	433,200	417,900	15,300	3.5%
May	433,900	418,400	15,500	3.6%
June	438,200	420,400	17,700	4.0%
July	444,200	423,900	20,300	4.6%
August	443,600	424,900	18,700	4.2%
September	430,900	412,300	18,600	4.3%
October	436,300	417,400	18,900	4.3%
November	438,100	419,100	19,000	4.3%
December	435,700	417,500	18,200	4.2%
Annual Average	437,100	419,600	17,500	4.0%

Notes:

- (1) The unemployment rate is calculated using unrounded data.
- (2) Due to the introduction of the 1990 census population figures, the data for years prior to 1990 are not comparable with data for 1990 and later years.

Effective with the release of January 2003 data in February 2003, labor force data for all areas have been revised back to January 2000. This revision is the result of incorporation of the 2000 Census population controls at the State level and changes in methodology. Therefore, data for years prior to 2000 are not comparable with data for 2000 and later years.

Projections & Planning Information

Module C:

Wage & Salary Employment

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Wage and Salary Employment

Wage and Salary Employment data reflect jobs by "place of work" and by broad industry categories. These industries are classified according to the Standard Industrial Classification (SIC) code. The data do not include the self-employed, unpaid family workers or private household employees. Jobs located in the county of the Metropolitan Statistical Area (MSA) that pay wages and salaries are counted although workers may live outside the area. Jobs are counted regardless of the number of hours worked. Individuals who hold more than one job may be counted more than once.

Current Employment Statistics

These data are based on the Current Employment Statistics (CES) survey. The CES survey summarizes monthly employment, hours and earnings data from a sample of California employers. This survey is also referred to as the establishment, or wage and salary employment survey. The estimates are revised in the following month as job information is received from additional employers. Final revisions to the statewide and local area data, called a "Benchmark" are made each March for the previous two years based on payroll tax reports submitted by California employers covered by the Unemployment Insurance program.

Annual Average Data

Annual average data are derived by adding up the monthly data for each industry and dividing by twelve to determine an actual annual average. These annual average data may reflect major business openings, expansions, and closings. Or, these data may reflect trends affecting an entire industry such as economic conditions, structural and technological changes.

Users of Wage and Salary Data

Economic developers, firms considering relocation, government agencies, grant writers, universities and anyone preparing reports on employment use wage and salary employment information to identify local industry trends. People looking for work and those counseling or placing others may learn about prospects for employment in various industries. Anyone seeking background information may use the wage and salary industry employment tables to look at the county's economy as a whole; at one industry; and/or at related industries for a firm's suppliers or for potential markets.

Points to Consider:

- Monthly job estimates are not adjusted for seasonal changes in employment. It is important to keep in mind that month-to-month changes may be due to regular seasonal patterns in an industry. For instance, during the holiday shopping season, retail jobs increase and during the summer, there are more workers in the construction industry. On the other hand, changes may reflect new businesses, expansions, or closings. Comparison of monthly changes for the same period in prior years will provide a better understanding of whether the change is seasonal or atypical.
- Monthly fluctuations in wage and salary employment are an essential part of the changes that occur in the dynamic economy of a county or region. It is important to study wage and salary employment data over time to evaluate the strength of the local economy.

- Wage and salary employment data identify which industries have the largest number of jobs. However, an industry with a large number of workers may not necessarily be expanding; it may even be downsizing, while new and expanding industries may not have large numbers of existing jobs but are a good source for new job opportunities.
- Annual average data, over time, tend to be a better indicator of employment trends for the various industries in an area.

Additional Sources of Information

You may consult the labor force and industry and occupational projections modules of this report for more information on economic conditions in the county. Or, you may speak with the Labor Market Information Division's (LMID) area consultants located throughout the state who are knowledgeable about the economic activities within their local areas. Other sources of information include:

- U. S. Bureau of Labor Statistics
- Local Chambers of Commerce
- Local Economic Development Organizations
- Local Newspapers
- Universities and Colleges

Automated Access

Access to current data is available through the Employment Development Department's Internet address at:

<http://www.calmis.ca.gov>

For technical assistance or additional information about the Employment Development Department's Internet website, please call (916) 262-2162 and select option #2. To obtain contact information for local labor market consultants or to obtain current monthly data, customers may also call (916) 262-2162, or FAX (916) 262-2443, for current monthly data.

CONTRA COSTA COUNTY
(Data Disaggregated from Oakland Metropolitan Statistical Area)
Wage and Salary Employment by Industry
(Data Not Seasonally Adjusted)
2001 Benchmark
Annual Averages 1992-2001

Industry Title	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
Total, All Industries (1)	n/a	284,800	289,300	292,700	297,700	310,800	317,600	326,600	336,600	342,300
Total Farm	n/a	1,300	1,200	1,000	1,000	1,100	900	1,300	2,200	2,400
Farm Production (2)	n/a	1,200	1,100	900	900	1,000	800	1,200	2,100	2,300
Farm Services	n/a	100	200	100	100	100	100	100	100	100
Total Nonfarm	282,200	283,500	288,000	291,700	296,700	309,700	316,700	325,300	334,400	340,000
Goods Producing	50,300	48,600	47,000	46,300	46,500	48,100	48,900	50,600	53,300	55,300
Mining (3)	2,900	2,900	2,500	2,000	1,900	1,700	1,600	2,100	1,700	1,600
Construction	16,200	16,900	17,300	17,700	18,600	20,400	21,700	24,200	26,300	28,200
General Building Contractors	4,500	4,600	4,800	4,600	4,500	5,400	6,300	7,300	7,400	7,700
Heavy Construction (4)	2,600	3,000	3,200	3,400	4,100	3,800	3,600	3,400	4,000	4,600
Special Trade	9,100	9,300	9,300	9,700	10,000	11,200	11,800	13,400	14,900	15,900
Manufacturing	31,100	28,800	27,200	26,600	26,000	26,000	25,600	24,400	25,400	25,500
Durable Goods	11,100	10,400	9,500	9,100	9,100	8,900	9,100	9,100	10,000	10,100
Lumber, Wood, & Furniture	700	600	600	500	600	600	700	700	800	800
Stone, Clay, & Glass	800	800	800	800	800	500	600	600	700	700
Primary & Fabricated Metal	3,800	3,600	2,800	2,600	2,400	2,400	2,500	2,500	2,300	2,200
Industrial Machinery (4)	1,000	1,000	900	700	800	800	800	800	800	700
Computer & Office Equipment	300	300	200	200	200	200	100	200	200	100
Other Industrial Machinery	700	700	700	600	600	600	700	600	600	600
Electronic Equipment (4)	2,000	1,800	1,900	1,800	1,600	1,600	1,500	1,500	1,700	1,800
Comm. Equip., Elec. Compnts (2)	1,200	1,200	1,200	1,000	800	800	800	700	800	900
Other Electronic Equipment	700	600	700	800	800	800	700	800	900	900
Transportation Equipment (4)	300	200	400	400	400	400	500	700	700	700
Instruments & Related Prods. (5)	2,400	2,300	2,000	2,100	2,400	2,300	2,100	2,100	2,800	3,000
Miscellaneous Manufacturing	200	200	200	200	200	200	300	300	300	300
Nondurable Goods	20,000	18,500	17,700	17,600	16,800	17,000	16,500	15,300	15,400	15,400
Food & Kindred Products	2,100	2,200	2,100	2,100	2,000	1,800	1,800	1,800	2,000	1,600
Paper & Allied Products	700	700	600	500	600	600	500	400	300	300
Printing & Publishing	3,100	3,100	2,900	2,900	2,800	2,900	2,900	2,800	2,700	2,800
Chemicals & Allied Products (4)	4,300	4,400	4,100	3,900	4,000	4,000	3,300	3,000	2,900	3,200
Petroleum & Coal Products (6)	9,500	7,700	7,600	7,500	6,800	7,100	7,400	6,600	6,700	6,800
Other Nondurable Goods	300	400	500	600	600	600	700	800	900	700

CONTRA COSTA COUNTY
(Data Disaggregated from Oakland Metropolitan Statistical Area)
Wage and Salary Employment by Industry
(Data Not Seasonally Adjusted)
2001 Benchmark
Annual Averages 1992-2001

Industry Title	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
Service Producing	231,900	234,900	241,000	245,400	250,300	261,600	267,800	274,700	281,000	284,700
Transportation & Public Utilities	18,500	18,800	20,200	20,300	19,800	20,400	20,100	19,900	20,500	20,800
Transportation	4,900	6,100	7,500	8,000	7,800	7,600	7,200	7,300	7,700	7,600
Trucking & Warehousing (7)	2,700	3,900	4,200	4,400	2,500	2,500	2,100	2,300	2,600	2,500
Water Transportation (8)	400	500	600	700	700	700	700	700	800	800
Air Transportation (9)	n/a	n/a	n/a	300	2,100	1,800	1,900	1,800	1,900	1,900
Other Transportation (9)	1,800	1,700	2,700	2,700	2,600	2,600	2,600	2,500	2,500	2,400
Communications & Public Util.	13,600	12,700	12,600	12,300	12,100	12,800	12,900	12,700	12,700	13,100
Communications	10,300	9,600	9,400	9,400	9,200	9,900	9,900	9,800	9,900	10,400
Electric, Gas & Sanitary Serv.	3,200	3,200	3,200	2,900	2,900	3,000	2,900	2,800	2,800	2,800
Trade	67,100	66,600	66,700	66,700	68,100	68,700	70,200	72,700	74,200	74,300
Wholesale Trade	11,600	10,200	10,500	10,600	11,800	11,300	11,000	12,100	12,300	12,200
Wholesale--Durable	6,500	6,000	5,900	6,200	7,000	6,900	7,000	6,800	7,000	7,300
Wholesale--Nondurable	5,100	4,200	4,600	4,400	4,900	4,400	4,100	5,300	5,200	4,800
Retail Trade	55,400	56,500	56,200	56,100	56,200	57,400	59,200	60,600	62,000	62,200
General Merchandise	6,600	7,400	7,300	7,000	6,600	6,600	7,000	7,000	7,400	7,200
Food Stores	8,700	8,600	8,400	8,400	8,200	8,300	8,700	8,800	9,100	9,400
Automotive Dealers & Service	5,700	5,700	5,300	4,800	5,100	5,500	5,500	5,800	6,100	6,300
Eating & Drinking Places	17,200	17,400	17,700	18,400	19,300	19,300	19,700	19,900	19,900	20,000
Other Retail Trade (10)	17,300	17,300	17,500	17,400	16,900	17,600	18,300	19,200	19,600	19,300
Finance, Insurance & Real Estate	27,800	29,000	28,400	26,700	26,000	27,900	28,100	28,500	28,400	30,100
Finance	15,200	16,000	14,900	13,800	14,200	15,500	15,800	15,700	15,700	16,700
Other Fin., Ins. & Real Estate	12,600	13,000	13,500	12,900	11,700	12,400	12,300	12,800	12,700	13,400
Services	74,600	76,400	81,000	86,700	91,100	98,900	103,800	106,300	109,800	109,900
Hotels & Other Lodging Places (2)	1,900	2,200	2,000	1,800	1,900	2,100	2,100	2,100	2,000	1,800
Personal Services (11)	2,900	3,300	3,000	3,100	3,100	3,000	3,100	3,400	3,700	3,800
Business Services	18,300	18,300	18,700	21,600	25,000	28,500	31,100	29,700	30,700	27,300
Health Services	21,300	21,000	20,400	20,700	20,600	22,600	23,400	25,000	25,600	26,500
Private Educational Services	3,200	3,500	4,100	4,200	4,200	4,400	4,500	4,600	4,900	5,100
Engineering & Management	6,400	7,100	10,000	10,900	10,500	11,000	11,400	11,800	12,200	13,300
Other Services	20,700	21,200	22,800	24,200	25,800	27,300	28,300	29,800	30,700	32,200

CONTRA COSTA COUNTY
(Data Disaggregated from Oakland Metropolitan Statistical Area)
Wage and Salary Employment by Industry
(Data Not Seasonally Adjusted)
2001 Benchmark
Annual Averages 1992-2001

Industry Title	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
Government	44,000	44,000	44,800	45,100	45,300	45,600	45,500	47,200	48,200	49,600
Federal Government	7,200	6,700	6,600	6,500	6,400	6,400	6,400	6,600	6,700	6,400
State & Local Government	36,800	37,300	38,200	38,600	38,900	39,200	39,100	40,600	41,500	43,200
State Government	1,100	1,000	1,100	1,100	1,000	900	900	900	900	900
State Education	0	0	0	0	0	0	0	0	0	0
Other State Government	1,100	1,000	1,100	1,100	1,000	900	900	900	900	900
Local Government	35,700	36,300	37,100	37,500	37,900	38,300	38,200	39,700	40,600	42,300
Local Education	18,400	19,200	19,700	19,900	20,700	22,000	22,600	23,700	24,400	25,400
County Government	8,300	8,200	8,500	8,700	8,500	8,800	8,900	9,200	9,600	9,900
City Government	4,500	4,500	4,500	4,500	4,400	4,700	4,700	4,800	4,800	5,000
Other Local Government	4,600	4,500	4,400	4,400	4,300	2,800	2,000	1,900	1,900	2,000

n/a = Data not available.

Footnotes: See last page of this section.

CONTRA COSTA COUNTY
(Data Disaggregated from Oakland Metropolitan Statistical Area)
Wage and Salary Employment by Industry
(Data Not Seasonally Adjusted)
2001 Benchmark
Monthly January - December 1997

Industry Title	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	AVG
Total, All Industries (1)	305,800	309,600	312,400	309,600	312,900	314,900	306,700	308,000	312,200	311,100	311,600	314,400	310,800
Total Farm	1,200	1,200	1,400	1,200	1,300	1,500	1,200	1,100	1,100	900	700	600	1,100
Farm Production (2)	1,100	1,100	1,300	1,100	1,200	1,400	1,100	1,000	1,000	900	700	600	1,000
Farm Services	100	100	100	100	100	100	100	100	100	0	0	0	100
Total Nonfarm	304,600	308,400	311,000	308,400	311,600	313,400	305,500	306,900	311,100	310,200	310,900	313,800	309,700
Goods Producing	47,000	47,500	48,100	47,000	47,300	48,200	48,300	48,500	49,200	48,900	48,300	48,600	48,100
Mining (3)	1,900	1,900	1,900	1,900	1,800	1,800	1,700	1,700	1,600	1,600	1,600	1,500	1,700
Construction	19,100	19,600	20,200	19,400	19,800	20,600	20,600	20,800	21,300	21,200	20,800	20,900	20,400
General Building Contractors	4,900	5,000	5,100	5,000	5,100	5,300	5,400	5,500	5,600	5,700	5,800	5,900	5,400
Heavy Construction (4)	3,500	3,500	3,800	3,700	3,600	4,000	3,700	3,900	4,300	4,300	3,900	3,800	3,800
Special Trade	10,700	11,100	11,300	10,700	11,100	11,300	11,500	11,400	11,400	11,200	11,100	11,200	11,200
Manufacturing	26,000	26,000	26,000	25,700	25,700	25,800	26,000	26,000	26,300	26,100	25,900	26,200	26,000
Durable Goods	8,900	8,800	8,800	8,700	8,800	8,900	9,000	8,900	9,100	9,200	9,000	9,200	8,900
Lumber, Wood, & Furniture	600	600	600	600	600	600	600	600	700	700	700	700	600
Stone, Clay, & Glass	500	500	500	500	500	500	500	500	600	600	600	600	500
Primary & Fabricated Metal	2,400	2,400	2,400	2,400	2,400	2,400	2,500	2,500	2,400	2,400	2,400	2,400	2,400
Industrial Machinery (4)	800	800	800	800	800	800	900	900	900	900	800	900	800
Computer & Office Equipment	200	200	200	200	200	200	200	200	200	200	200	200	200
Other Industrial Machinery	600	600	600	600	600	600	700	700	700	700	600	700	600
Electronic Equipment (4)	1,500	1,600	1,600	1,500	1,600	1,600	1,600	1,500	1,500	1,600	1,600	1,600	1,600
Comm. Equip., Elec. Compts (2)	700	800	800	700	800	800	800	800	800	800	800	800	800
Other Electronic Equipment	800	800	800	800	800	800	800	700	700	800	800	800	800
Transportation Equipment (4)	400	400	400	400	400	500	400	400	400	500	500	500	400
Instruments & Related Prods. (5)	2,500	2,300	2,300	2,300	2,300	2,300	2,300	2,300	2,400	2,300	2,200	2,300	2,300
Miscellaneous Manufacturing	200	200	200	200	200	200	200	200	200	200	200	200	200
Nondurable Goods	17,100	17,200	17,200	17,000	16,900	16,900	17,000	17,100	17,200	16,900	16,900	17,000	17,000
Food & Kindred Products	1,800	1,900	1,900	1,600	1,700	1,700	1,800	1,900	1,900	1,800	1,800	1,800	1,800
Paper & Allied Products	600	600	600	600	600	600	600	600	600	600	600	600	600
Printing & Publishing	2,900	2,900	2,900	2,900	2,900	2,900	2,900	2,900	2,900	2,900	2,900	2,900	2,900
Chemicals & Allied Products (4)	4,400	4,400	4,400	4,300	4,200	4,100	4,000	4,000	4,000	3,600	3,600	3,500	4,000
Petroleum & Coal Products (6)	6,800	6,800	6,800	6,900	6,900	7,000	7,100	7,100	7,100	7,300	7,300	7,500	7,100
Other Nondurable Goods	600	600	600	700	600	600	600	600	700	700	700	700	600

CONTRA COSTA COUNTY
(Data Disaggregated from Oakland Metropolitan Statistical Area)
Wage and Salary Employment by Industry
(Data Not Seasonally Adjusted)
2001 Benchmark
Monthly January - December 1997

Industry Title	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	AVG
Service Producing	257,600	260,900	262,900	261,400	264,300	265,200	257,200	258,400	261,900	261,300	262,600	265,200	261,600
Transportation & Public Utilities	20,100	20,500	20,700	20,000	20,400	20,800	20,500	19,200	20,500	20,700	20,700	21,000	20,400
Transportation	7,700	7,700	7,800	7,600	7,600	7,800	7,500	6,200	7,600	7,800	7,800	8,000	7,600
Trucking & Warehousing (7)	2,500	2,600	2,600	2,500	2,500	2,600	2,500	2,500	2,600	2,500	2,500	2,600	2,500
Water Transportation (8)	700	700	700	700	700	700	600	600	700	700	700	700	700
Air Transportation (9)	1,900	1,800	1,900	1,900	1,900	1,900	1,800	600	1,800	2,100	2,100	2,100	1,800
Other Transportation (10)	2,600	2,600	2,600	2,500	2,500	2,600	2,600	2,500	2,500	2,500	2,500	2,600	2,600
Communications & Public Util.	12,400	12,800	12,900	12,400	12,800	13,000	13,000	13,000	12,900	12,900	12,900	13,000	12,800
Communications	9,500	9,900	10,000	9,500	9,900	10,000	10,000	10,000	9,900	9,900	9,900	10,000	9,900
Electric, Gas & Sanitary Serv.	2,900	2,900	2,900	2,900	2,900	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000
Trade	67,400	68,000	68,800	67,800	68,400	68,900	68,000	68,300	68,200	68,200	70,200	72,100	68,700
Wholesale Trade	11,700	11,800	11,700	11,800	11,800	11,500	10,900	10,900	10,900	10,800	10,800	10,900	11,300
Wholesale--Durable	7,000	7,000	7,000	7,100	7,100	7,100	6,600	6,700	6,700	6,800	6,900	7,000	6,900
Wholesale--Nondurable	4,700	4,800	4,700	4,700	4,700	4,400	4,300	4,200	4,200	4,000	3,900	3,900	4,400
Retail Trade	55,700	56,200	57,100	56,000	56,600	57,400	57,100	57,400	57,300	57,400	59,400	61,200	57,400
General Merchandise	6,200	6,300	6,400	6,200	6,300	6,400	6,300	6,500	6,500	6,600	7,600	8,400	6,600
Food Stores	8,400	8,400	8,500	8,200	8,300	8,400	8,200	8,200	8,200	8,200	8,400	8,200	8,300
Automotive Dealers & Service	5,400	5,400	5,400	5,400	5,500	5,500	5,600	5,700	5,700	5,600	5,600	5,600	5,500
Eating & Drinking Places	18,600	18,900	19,300	19,000	19,300	19,700	19,600	19,600	19,500	19,400	19,500	19,700	19,300
Other Retail Trade (11)	17,100	17,200	17,500	17,200	17,200	17,400	17,400	17,400	17,400	17,600	18,300	19,300	17,600
Finance, Insurance & Real Estate	27,400	27,600	27,700	27,400	27,800	27,800	28,000	28,200	28,100	28,100	28,400	28,700	27,900
Finance	15,200	15,300	15,300	15,200	15,500	15,400	15,500	15,600	15,600	15,800	15,900	16,100	15,500
Other Fin., Ins. & Real Estate	12,200	12,300	12,400	12,200	12,300	12,400	12,500	12,600	12,500	12,300	12,500	12,600	12,400
Services	97,300	98,200	99,600	100,000	100,900	101,300	99,100	99,500	98,800	97,900	96,900	97,300	98,900
Hotels & Other Lodging Places (2)	2,100	2,100	2,100	2,100	2,100	2,100	2,200	2,200	2,200	2,200	2,100	2,100	2,100
Personal Services (12)	3,200	3,000	3,000	3,100	3,000	3,000	3,000	3,000	3,100	3,000	3,000	3,100	3,000
Business Services	28,100	28,300	29,000	28,800	28,700	28,600	28,500	28,800	28,600	28,600	27,900	27,700	28,500
Health Services	21,800	21,800	21,900	23,600	23,800	23,900	22,300	22,300	22,400	22,500	22,500	22,600	22,600
Private Educational Services	4,400	4,500	4,400	4,500	4,600	4,500	4,000	4,100	4,300	4,400	4,500	4,500	4,400
Engineering & Management	11,100	11,200	11,200	11,000	11,100	11,100	11,000	11,000	10,900	10,800	10,700	10,900	11,000
Other Services	26,600	27,300	28,000	26,900	27,600	28,100	28,100	28,100	27,300	26,400	26,200	26,400	27,300

CONTRA COSTA COUNTY
(Data Disaggregated from Oakland Metropolitan Statistical Area)
Wage and Salary Employment by Industry
(Data Not Seasonally Adjusted)
2001 Benchmark
Monthly January - December 1997

Industry Title	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	AVG
Government	45,400	46,600	46,100	46,200	46,800	46,400	41,600	43,200	46,300	46,400	46,400	46,100	45,600
Federal Government	6,400	6,400	6,400	6,400	6,400	6,400	6,400	6,500	6,500	6,300	6,400	6,400	6,400
State & Local Government	39,000	40,200	39,700	39,800	40,400	40,000	35,200	36,700	39,800	40,100	40,000	39,700	39,200
State Government	1,000	1,000	900	900	900	900	900	900	900	900	900	1,000	900
State Education	0	0	0	0	0	0	0	0	0	0	0	0	0
Other State Government	1,000	1,000	900	900	900	900	900	900	900	900	900	1,000	900
Local Government	38,000	39,200	38,800	38,900	39,500	39,100	34,300	35,800	38,900	39,200	39,100	38,700	38,300
Local Education	22,100	23,300	22,800	22,800	23,100	22,600	17,200	18,400	22,200	23,200	23,400	23,100	22,000
County Government	8,700	8,600	8,700	8,700	8,800	8,800	8,700	8,800	8,800	8,900	8,900	8,800	8,800
City Government	4,300	4,400	4,500	4,600	4,900	5,000	5,200	5,300	4,900	4,800	4,500	4,500	4,700
Other Local Government	2,900	2,900	2,800	2,800	2,700	2,700	3,200	3,300	3,000	2,300	2,300	2,300	2,800

n/a = Data not available.

Footnotes: See last page of this section.

CONTRA COSTA COUNTY
(Data Disaggregated from Oakland Metropolitan Statistical Area)
Wage and Salary Employment by Industry
(Data Not Seasonally Adjusted)
2001 Benchmark
Monthly January - December 1998

Industry Title	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	AVG
Total, All Industries (1)	308,800	310,800	314,100	314,500	317,300	321,200	314,400	316,700	321,500	322,500	323,700	325,600	317,600
Total Farm	400	600	900	1,200	1,200	1,200	1,200	1,100	900	900	800	600	900
Farm Production (2)	400	600	900	1,100	1,100	1,100	1,100	1,000	800	800	700	500	800
Farm Services	0	0	0	100	100	100	100	100	100	100	100	100	100
Total Nonfarm	308,400	310,200	313,200	313,300	316,100	320,000	313,200	315,600	320,600	321,600	322,900	325,000	316,700
Goods Producing	46,500	46,600	47,400	47,600	48,000	49,500	50,000	50,500	50,400	50,700	50,100	49,100	48,900
Mining (3)	1,400	1,400	1,400	1,400	1,500	1,500	1,600	1,700	1,700	1,800	1,900	2,000	1,600
Construction	18,600	18,600	19,400	20,200	20,800	21,900	22,700	23,400	23,500	23,900	23,800	23,500	21,700
General Building Contractors	5,200	5,200	5,600	5,700	5,900	6,300	6,500	6,800	7,000	7,100	7,200	7,200	6,300
Heavy Construction (4)	3,100	3,000	3,000	3,400	3,500	3,600	3,700	3,800	3,900	4,000	3,900	3,700	3,600
Special Trade	10,300	10,400	10,800	11,100	11,400	12,000	12,500	12,800	12,600	12,800	12,700	12,600	11,800
Manufacturing	26,500	26,600	26,600	26,000	25,700	26,100	25,700	25,400	25,200	25,000	24,400	23,600	25,600
Durable Goods	9,100	9,200	9,200	9,000	9,000	9,200	9,100	9,100	9,100	9,100	8,900	8,700	9,100
Lumber, Wood, & Furniture	700	700	700	700	700	700	700	700	700	800	800	800	700
Stone, Clay, & Glass	600	600	600	600	600	600	600	600	600	600	600	600	600
Primary & Fabricated Metal	2,400	2,400	2,400	2,400	2,400	2,600	2,600	2,600	2,600	2,600	2,600	2,600	2,500
Industrial Machinery (4)	800	800	800	800	800	800	800	800	800	800	700	700	800
Computer & Office Equipment	100	100	100	100	100	100	100	100	100	100	100	100	100
Other Industrial Machinery	700	700	700	700	700	700	700	700	700	700	600	600	700
Electronic Equipment (4)	1,600	1,600	1,600	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,400	1,400	1,500
Comm. Equip., Elec. Compnts (2)	900	900	900	800	800	800	800	800	800	800	700	700	800
Other Electronic Equipment	700	700	700	700	700	700	700	700	700	700	700	700	700
Transportation Equipment (4)	500	500	500	500	500	500	500	500	500	500	500	500	500
Instruments & Related Prods. (5)	2,200	2,300	2,300	2,200	2,200	2,200	2,100	2,100	2,100	2,000	2,000	1,900	2,100
Miscellaneous Manufacturing	300	300	300	300	300	300	300	300	300	300	300	200	300
Nondurable Goods	17,400	17,400	17,400	17,000	16,700	16,900	16,600	16,300	16,100	15,900	15,500	14,900	16,500
Food & Kindred Products	1,800	1,800	1,800	1,800	1,800	1,800	1,800	1,800	1,800	1,800	1,800	1,800	1,800
Paper & Allied Products	500	500	500	500	500	500	500	500	500	500	500	500	500
Printing & Publishing	2,900	2,900	2,900	2,900	2,900	2,900	2,900	2,800	2,900	2,800	2,800	2,700	2,900
Chemicals & Allied Products (4)	3,400	3,400	3,400	3,300	3,300	3,300	3,300	3,300	3,300	3,300	3,200	3,100	3,300
Petroleum & Coal Products (6)	8,100	8,100	8,100	7,800	7,500	7,700	7,400	7,200	6,900	6,800	6,500	6,200	7,400
Other Nondurable Goods	700	700	700	700	700	700	700	700	700	700	700	600	700

CONTRA COSTA COUNTY
(Data Disaggregated from Oakland Metropolitan Statistical Area)
Wage and Salary Employment by Industry
(Data Not Seasonally Adjusted)
2001 Benchmark
Monthly January - December 1998

Industry Title	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	AVG
Service Producing	261,900	263,600	265,800	265,700	268,100	270,500	263,200	265,100	270,200	270,900	272,800	275,900	267,800
Transportation & Public Utilities	19,800	20,100	20,000	20,100	20,000	20,100	20,000	20,000	20,200	20,100	20,200	20,500	20,100
Transportation	6,900	7,000	7,100	7,200	7,100	7,100	7,200	7,200	7,500	7,500	7,500	7,600	7,200
Trucking & Warehousing (7)	1,800	1,900	1,900	2,000	2,000	2,100	2,200	2,200	2,200	2,100	2,100	2,200	2,100
Water Transportation (8)	700	700	700	800	700	600	500	500	700	600	600	700	700
Air Transportation (9)	1,800	1,800	1,800	1,800	1,800	1,800	1,900	1,900	1,900	2,100	2,100	2,000	1,900
Other Transportation (10)	2,600	2,600	2,700	2,600	2,600	2,600	2,600	2,600	2,700	2,700	2,700	2,700	2,600
Communications & Public Util.	12,900	13,100	12,900	12,900	12,900	13,000	12,800	12,800	12,700	12,600	12,700	12,900	12,900
Communications	9,900	10,100	9,900	10,000	10,000	10,100	9,900	9,900	9,800	9,700	9,800	10,000	9,900
Electric, Gas & Sanitary Serv.	3,000	3,000	3,000	2,900	2,900	2,900	2,900	2,900	2,900	2,900	2,900	2,900	2,900
Trade	69,300	68,900	68,800	69,200	69,700	70,700	69,700	70,100	70,200	70,200	72,100	74,000	70,200
Wholesale Trade	10,600	10,600	10,600	10,700	10,800	10,900	11,000	11,200	11,300	11,400	11,600	11,800	11,000
Wholesale--Durable	7,000	7,000	7,000	7,000	7,000	7,000	6,900	6,900	6,900	6,900	6,900	6,900	7,000
Wholesale--Nondurable	3,600	3,600	3,600	3,700	3,800	3,900	4,100	4,300	4,400	4,500	4,700	4,900	4,100
Retail Trade	58,700	58,300	58,200	58,500	58,900	59,800	58,700	58,900	58,900	58,800	60,500	62,200	59,200
General Merchandise	7,500	6,900	6,600	6,500	6,500	6,600	6,600	6,700	6,700	6,900	7,800	8,400	7,000
Food Stores	8,900	9,100	9,000	9,000	9,100	9,100	8,200	8,200	8,400	8,300	8,400	8,500	8,700
Automotive Dealers & Service	5,500	5,600	5,700	5,500	5,500	5,500	5,500	5,500	5,400	5,600	5,600	5,600	5,500
Eating & Drinking Places	18,800	19,100	19,300	19,600	19,900	20,200	20,200	20,200	20,200	19,600	19,600	19,700	19,700
Other Retail Trade (11)	18,000	17,600	17,600	17,900	17,900	18,400	18,200	18,300	18,200	18,400	19,100	20,000	18,300
Finance, Insurance & Real Estate	27,600	27,900	28,000	27,800	27,700	28,200	27,900	28,300	28,100	28,000	28,500	29,300	28,100
Finance	15,400	15,500	15,700	15,700	15,600	15,900	15,700	15,900	15,900	15,700	16,000	16,400	15,800
Other Fin., Ins. & Real Estate	12,200	12,400	12,300	12,100	12,100	12,300	12,200	12,400	12,200	12,300	12,500	12,900	12,300
Services	99,600	100,600	102,800	102,400	103,700	105,100	105,100	105,700	105,800	105,000	104,800	105,300	103,800
Hotels & Other Lodging Places (2)	2,000	2,000	2,100	2,000	2,000	2,100	2,200	2,200	2,100	2,100	2,100	2,100	2,100
Personal Services (12)	3,000	3,100	3,100	3,300	3,100	3,100	3,100	3,100	3,100	3,100	3,100	3,200	3,100
Business Services	30,600	30,600	31,500	30,700	30,900	31,000	30,600	31,300	31,700	31,200	31,300	31,200	31,100
Health Services	22,600	22,900	23,000	23,000	23,300	23,500	23,500	23,500	23,500	23,900	23,900	24,100	23,400
Private Educational Services	4,400	4,600	4,700	4,600	4,600	4,500	4,100	4,100	4,400	4,600	4,600	4,700	4,500
Engineering & Management	10,800	10,900	11,100	11,100	11,200	11,400	11,700	11,700	11,700	11,500	11,600	11,700	11,400
Other Services	26,200	26,500	27,300	27,700	28,600	29,500	29,900	29,800	29,300	28,600	28,200	28,300	28,300

CONTRA COSTA COUNTY
(Data Disaggregated from Oakland Metropolitan Statistical Area)
Wage and Salary Employment by Industry
(Data Not Seasonally Adjusted)
2001 Benchmark
Monthly January - December 1998

Industry Title	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	AVG
Government	45,600	46,100	46,200	46,200	47,000	46,400	40,500	41,000	45,900	47,600	47,200	46,800	45,500
Federal Government	6,300	6,300	6,400	6,300	6,400	6,400	6,400	6,400	6,500	6,600	6,600	6,700	6,400
State & Local Government	39,300	39,800	39,800	39,900	40,600	40,000	34,100	34,600	39,400	41,000	40,600	40,100	39,100
State Government	900	900	900	900	900	900	900	900	900	900	900	900	900
State Education	0	0	0	0	0	0	0	0	0	0	0	0	0
Other State Government	900	900	900	900	900	900	900	900	900	900	900	900	900
Local Government	38,400	38,900	38,900	39,000	39,700	39,100	33,200	33,700	38,500	40,100	39,700	39,200	38,200
Local Education	23,100	23,600	23,600	23,800	24,100	23,200	17,000	17,500	22,600	24,200	24,200	23,700	22,600
County Government	8,800	8,900	8,800	8,800	9,000	9,000	8,900	8,900	9,000	9,100	9,000	9,000	8,900
City Government	4,500	4,400	4,500	4,400	4,600	4,900	5,200	5,200	4,900	4,800	4,500	4,500	4,700
Other Local Government	2,000	2,000	2,000	2,000	2,000	2,000	2,100	2,100	2,000	2,000	2,000	2,000	2,000

n/a = Data not available.

Footnotes: See last page of this section.

CONTRA COSTA COUNTY
(Data Disaggregated from Oakland Metropolitan Statistical Area)
Wage and Salary Employment by Industry
(Data Not Seasonally Adjusted)
2001 Benchmark
Monthly January - December 1999

Industry Title	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	AVG
Total, All Industries (1)	317,000	319,600	323,100	325,900	329,000	331,000	325,100	325,100	328,900	329,000	331,100	334,300	326,600
Total Farm	700	700	1,000	1,800	1,600	1,400	1,400	1,300	1,300	1,500	1,600	1,600	1,300
Farm Production (2)	600	600	900	1,700	1,500	1,300	1,300	1,200	1,200	1,400	1,500	1,500	1,200
Farm Services	100	100	100	100	100	100	100	100	100	100	100	100	100
Total Nonfarm	316,300	318,900	322,100	324,100	327,400	329,600	323,700	323,800	327,600	327,500	329,500	332,700	325,300
Goods Producing	47,800	47,500	48,000	49,600	50,700	51,000	52,100	52,400	52,100	51,700	51,700	52,400	50,600
Mining (3)	2,100	2,100	2,100	2,200	2,200	2,200	2,100	2,000	1,900	2,000	2,000	1,900	2,100
Construction	22,600	22,000	22,300	23,200	24,200	24,500	25,400	25,600	25,300	24,800	24,900	25,200	24,200
General Building Contractors	6,700	6,600	6,800	7,200	7,300	7,700	7,600	7,700	7,700	7,500	7,500	7,600	7,300
Heavy Construction (4)	3,200	2,900	2,900	2,800	3,400	3,500	3,800	3,700	3,700	3,700	3,700	3,900	3,400
Special Trade	12,700	12,500	12,600	13,200	13,500	13,300	14,000	14,200	13,900	13,600	13,700	13,700	13,400
Manufacturing	23,100	23,400	23,600	24,200	24,300	24,300	24,600	24,800	24,900	24,900	24,800	25,300	24,400
Durable Goods	8,400	8,600	8,600	8,800	8,900	8,900	9,400	9,400	9,400	9,400	9,500	9,700	9,100
Lumber, Wood, & Furniture	700	700	700	700	700	700	700	700	700	700	700	800	700
Stone, Clay, & Glass	600	600	600	700	600	700	600	600	600	600	600	600	600
Primary & Fabricated Metal	2,400	2,500	2,500	2,500	2,500	2,500	2,500	2,500	2,500	2,400	2,400	2,400	2,500
Industrial Machinery (4)	800	800	800	800	800	800	800	800	800	800	800	800	800
Computer & Office Equipment	200	200	200	200	200	200	200	200	200	200	200	200	200
Other Industrial Machinery	600	600	600	600	600	600	600	600	600	600	600	600	600
Electronic Equipment (4)	1,500	1,500	1,500	1,400	1,500	1,400	1,500	1,500	1,500	1,300	1,400	1,500	1,500
Comm. Equip., Elec. Compnts (2)	700	700	700	700	700	700	700	700	700	600	700	700	700
Other Electronic Equipment	800	800	800	700	800	700	800	800	800	700	700	800	800
Transportation Equipment (4)	500	500	500	600	600	600	700	700	700	1,000	1,000	1,000	700
Instruments & Related Prods. (5)	1,700	1,700	1,700	1,800	1,900	1,900	2,300	2,300	2,300	2,300	2,300	2,400	2,100
Miscellaneous Manufacturing	200	300	300	300	300	300	300	300	300	300	300	200	300
Nondurable Goods	14,700	14,800	15,000	15,400	15,400	15,400	15,200	15,400	15,500	15,500	15,300	15,600	15,300
Food & Kindred Products	1,700	1,700	1,700	1,800	1,800	1,800	1,800	1,800	1,800	1,800	1,800	1,900	1,800
Paper & Allied Products	400	400	400	400	400	400	400	400	400	400	300	400	400
Printing & Publishing	2,700	2,700	2,800	2,800	2,800	2,800	2,800	2,700	2,800	2,800	2,800	2,800	2,800
Chemicals & Allied Products (4)	2,900	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000
Petroleum & Coal Products (6)	6,400	6,400	6,400	6,700	6,700	6,700	6,500	6,700	6,700	6,600	6,500	6,500	6,600
Other Nondurable Goods	600	600	700	700	700	700	700	800	800	900	900	1,000	800

CONTRA COSTA COUNTY
(Data Disaggregated from Oakland Metropolitan Statistical Area)
Wage and Salary Employment by Industry
(Data Not Seasonally Adjusted)
2001 Benchmark
Monthly January - December 1999

Industry Title	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	AVG
Service Producing	268,500	271,400	274,100	274,500	276,700	278,600	271,600	271,400	275,500	275,800	277,800	280,300	274,700
Transportation & Public Utilities	19,700	19,900	19,600	20,000	20,000	19,900	20,000	19,800	19,700	19,800	20,100	20,500	19,900
Transportation	7,200	7,300	7,000	7,300	7,400	7,300	7,300	7,200	7,200	7,100	7,300	7,500	7,300
Trucking & Warehousing (7)	2,200	2,200	2,200	2,300	2,300	2,300	2,400	2,400	2,400	2,400	2,500	2,500	2,300
Water Transportation (8)	700	800	600	700	700	600	600	600	600	700	700	600	700
Air Transportation (9)	1,700	1,700	1,600	1,800	1,800	1,800	1,900	1,800	1,800	1,700	1,900	2,200	1,800
Other Transportation (10)	2,600	2,600	2,600	2,500	2,600	2,600	2,400	2,400	2,400	2,300	2,200	2,200	2,500
Communications & Public Util.	12,500	12,600	12,600	12,700	12,600	12,600	12,700	12,600	12,500	12,700	12,800	13,000	12,700
Communications	9,600	9,700	9,700	9,900	9,800	9,800	9,900	9,900	9,800	9,800	9,900	10,100	9,800
Electric, Gas & Sanitary Serv.	2,900	2,900	2,900	2,800	2,800	2,800	2,800	2,700	2,700	2,900	2,900	2,900	2,800
Trade	70,700	70,000	70,800	70,800	71,600	72,200	73,300	73,600	73,800	73,400	75,400	76,900	72,700
Wholesale Trade	11,900	11,900	12,000	12,300	12,500	12,500	12,300	12,200	11,900	11,800	11,900	11,900	12,100
Wholesale--Durable	6,900	6,900	6,900	6,800	6,900	6,900	6,900	6,900	6,800	6,600	6,600	6,600	6,800
Wholesale--Nondurable	5,000	5,000	5,100	5,500	5,600	5,600	5,400	5,300	5,100	5,200	5,300	5,300	5,300
Retail Trade	58,800	58,100	58,800	58,500	59,100	59,700	61,000	61,400	61,900	61,600	63,500	65,000	60,600
General Merchandise	7,200	6,600	6,600	6,400	6,600	6,500	6,800	6,800	6,800	7,200	8,000	8,700	7,000
Food Stores	8,300	8,400	8,500	8,500	8,600	8,600	8,800	8,900	9,200	9,100	9,200	9,300	8,800
Automotive Dealers & Service	5,600	5,700	5,700	5,700	5,700	5,800	5,800	5,900	5,900	5,800	5,800	5,800	5,800
Eating & Drinking Places	19,000	19,100	19,600	19,500	19,700	19,900	20,200	20,200	20,400	20,300	20,500	20,300	19,900
Other Retail Trade (11)	18,700	18,300	18,400	18,400	18,500	18,900	19,400	19,600	19,600	19,200	20,000	20,900	19,200
Finance, Insurance & Real Estate	28,800	29,000	29,200	28,600	28,800	29,000	28,500	28,400	28,200	27,700	27,700	28,300	28,500
Finance	15,900	15,900	16,000	15,900	16,000	16,100	15,700	15,700	15,600	15,200	15,300	15,500	15,700
Other Fin., Ins. & Real Estate	12,900	13,100	13,200	12,700	12,800	12,900	12,800	12,700	12,600	12,500	12,400	12,800	12,800
Services	103,000	104,900	106,400	106,800	107,400	108,800	107,000	106,800	106,700	106,300	105,900	106,100	106,300
Hotels & Other Lodging Places (2)	2,000	2,000	2,000	2,000	2,100	2,100	2,200	2,200	2,200	2,100	2,100	2,100	2,100
Personal Services (12)	3,200	3,400	3,500	3,500	3,300	3,300	3,200	3,300	3,400	3,400	3,400	3,700	3,400
Business Services	29,200	29,900	30,400	30,200	30,000	30,200	29,600	29,700	29,200	29,600	29,100	29,300	29,700
Health Services	24,700	25,000	25,200	25,100	25,200	25,300	24,900	24,800	25,100	24,900	25,100	25,100	25,000
Private Educational Services	4,500	4,700	4,700	4,700	4,700	4,600	4,000	4,000	4,500	4,700	4,800	4,800	4,600
Engineering & Management	11,600	11,800	11,800	12,000	11,900	12,000	11,700	11,800	11,600	11,800	11,900	11,900	11,800
Other Services	27,800	28,100	28,800	29,300	30,200	31,300	31,400	31,000	30,700	29,800	29,500	29,200	29,800

CONTRA COSTA COUNTY
(Data Disaggregated from Oakland Metropolitan Statistical Area)
Wage and Salary Employment by Industry
(Data Not Seasonally Adjusted)
2001 Benchmark
Monthly January - December 1999

Industry Title	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	AVG
Government	46,300	47,600	48,100	48,300	48,900	48,700	42,800	42,800	47,100	48,600	48,700	48,500	47,200
Federal Government	6,500	6,600	6,600	6,600	6,600	6,600	6,600	6,600	6,600	6,500	6,600	6,700	6,600
State & Local Government	39,800	41,000	41,500	41,700	42,300	42,100	36,200	36,200	40,500	42,100	42,100	41,800	40,600
State Government	900	900	900	900	900	900	900	900	900	900	900	900	900
State Education	0	0	0	0	0	0	0	0	0	0	0	0	0
Other State Government	900	900	900	900	900	900	900	900	900	900	900	900	900
Local Government	38,900	40,100	40,600	40,800	41,400	41,200	35,300	35,300	39,600	41,200	41,200	40,900	39,700
Local Education	23,500	24,600	24,900	25,100	25,400	24,900	18,700	18,700	23,500	25,200	25,200	24,900	23,700
County Government	9,000	9,100	9,200	9,200	9,200	9,300	9,300	9,300	9,200	9,300	9,400	9,400	9,200
City Government	4,500	4,500	4,600	4,600	4,900	5,000	5,300	5,300	5,000	4,800	4,700	4,700	4,800
Other Local Government	1,900	1,900	1,900	1,900	1,900	2,000	2,000	2,000	1,900	1,900	1,900	1,900	1,900

n/a = Data not available.

Footnotes: See last page of this section.

CONTRA COSTA COUNTY
(Data Disaggregated from Oakland Metropolitan Statistical Area)
Wage and Salary Employment by Industry
(Data Not Seasonally Adjusted)
2001 Benchmark
Monthly January - December 2000

Industry Title	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	AVG
Total, All Industries (1)	328,400	330,300	333,900	335,100	337,900	341,700	334,200	335,900	339,000	338,200	341,200	343,600	336,600
Total Farm	1,800	2,100	2,600	2,900	2,900	2,700	2,400	2,200	2,100	1,800	1,700	1,700	2,200
Farm Production (2)	1,700	2,000	2,500	2,800	2,800	2,600	2,300	2,100	2,000	1,700	1,600	1,600	2,100
Farm Services	100	100	100	100	100	100	100	100	100	100	100	100	100
Total Nonfarm	326,600	328,200	331,300	332,200	335,000	339,000	331,800	333,700	336,900	336,400	339,500	341,900	334,400
Goods Producing	50,300	50,700	50,800	51,600	52,500	53,700	54,400	55,200	55,400	55,200	55,200	55,000	53,300
Mining (3)	1,900	1,900	1,900	1,800	1,700	1,600	1,600	1,500	1,500	1,500	1,500	1,500	1,700
Construction	23,900	24,000	24,100	25,000	25,600	26,600	27,100	27,500	27,900	28,200	28,000	27,300	26,300
General Building Contractors	7,300	7,300	7,300	7,300	7,300	7,600	7,500	7,600	7,700	7,400	7,400	7,200	7,400
Heavy Construction (4)	3,400	3,200	3,200	3,600	3,800	4,000	4,200	4,400	4,500	4,600	4,500	4,200	4,000
Special Trade	13,200	13,500	13,600	14,100	14,500	15,000	15,400	15,500	15,700	16,200	16,100	15,900	14,900
Manufacturing	24,500	24,800	24,800	24,800	25,200	25,500	25,700	26,200	26,000	25,500	25,700	26,200	25,400
Durable Goods	9,400	9,600	9,400	9,500	9,800	9,900	10,100	10,400	10,400	10,200	10,400	10,600	10,000
Lumber, Wood, & Furniture	800	800	800	800	800	800	800	800	800	800	800	800	800
Stone, Clay, & Glass	600	700	600	700	700	700	700	700	700	600	600	700	700
Primary & Fabricated Metal	2,400	2,400	2,400	2,300	2,300	2,300	2,300	2,400	2,300	2,300	2,300	2,200	2,300
Industrial Machinery (4)	800	800	800	800	800	800	800	800	800	700	700	800	800
Computer & Office Equipment	200	200	200	200	200	200	200	200	200	100	100	100	200
Other Industrial Machinery	600	600	600	600	600	600	600	600	600	600	600	700	600
Electronic Equipment (4)	1,500	1,500	1,500	1,500	1,600	1,700	1,700	1,800	1,800	1,800	1,900	1,900	1,700
Comm. Equip., Elec. Compnts (2)	700	700	700	700	800	800	900	900	900	900	1,000	1,000	800
Other Electronic Equipment	800	800	800	800	800	900	800	900	900	900	900	900	900
Transportation Equipment (4)	700	700	700	700	700	700	700	700	700	700	700	700	700
Instruments & Related Prods. (5)	2,400	2,500	2,400	2,500	2,700	2,700	2,800	2,900	3,000	3,000	3,100	3,200	2,800
Miscellaneous Manufacturing	200	200	200	200	200	200	300	300	300	300	300	300	300
Nondurable Goods	15,100	15,200	15,400	15,300	15,400	15,600	15,600	15,800	15,600	15,300	15,300	15,600	15,400
Food & Kindred Products	2,100	2,100	2,100	2,000	2,000	2,000	2,000	2,000	1,900	1,800	1,700	1,700	2,000
Paper & Allied Products	300	300	400	300	300	300	300	300	300	300	300	300	300
Printing & Publishing	2,700	2,700	2,700	2,700	2,700	2,700	2,700	2,800	2,800	2,800	2,800	2,800	2,700
Chemicals & Allied Products (4)	2,600	2,600	2,700	2,800	2,800	2,900	2,900	2,900	2,900	2,900	3,000	3,200	2,900
Petroleum & Coal Products (6)	6,500	6,600	6,600	6,600	6,700	6,800	6,800	6,900	6,800	6,700	6,700	6,800	6,700
Other Nondurable Goods	900	900	900	900	900	900	900	900	900	800	800	800	900

CONTRA COSTA COUNTY
(Data Disaggregated from Oakland Metropolitan Statistical Area)
Wage and Salary Employment by Industry
(Data Not Seasonally Adjusted)
2001 Benchmark
Monthly January - December 2000

Industry Title	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	AVG
Service Producing	276,300	277,500	280,500	280,600	282,500	285,300	277,400	278,500	281,500	281,200	284,300	286,900	281,000
Transportation & Public Utilities	19,900	19,800	20,100	20,200	20,200	20,400	20,400	20,400	20,500	20,900	21,400	21,600	20,500
Transportation	7,400	7,200	7,500	7,700	7,700	7,900	7,800	7,600	7,700	7,800	8,200	8,400	7,700
Trucking & Warehousing (7)	2,400	2,400	2,500	2,500	2,600	2,600	2,600	2,600	2,600	2,600	2,700	2,800	2,600
Water Transportation (8)	700	600	700	800	800	1,000	900	700	800	800	900	900	800
Air Transportation (9)	1,800	1,700	1,700	1,900	1,800	1,800	1,900	1,900	1,800	2,000	2,200	2,300	1,900
Other Transportation (10)	2,500	2,500	2,600	2,500	2,500	2,500	2,400	2,400	2,500	2,400	2,400	2,400	2,500
Communications & Public Util.	12,500	12,600	12,600	12,500	12,500	12,500	12,600	12,800	12,800	13,100	13,200	13,200	12,700
Communications	9,700	9,800	9,800	9,700	9,700	9,700	9,900	10,000	10,000	10,300	10,400	10,300	9,900
Electric, Gas & Sanitary Serv.	2,800	2,800	2,800	2,800	2,800	2,800	2,700	2,800	2,800	2,800	2,800	2,900	2,800
Trade	72,700	72,300	72,800	73,600	73,500	74,000	74,300	74,300	74,200	74,100	76,300	78,800	74,200
Wholesale Trade	11,900	11,900	11,900	12,000	12,100	12,200	12,300	12,400	12,300	12,500	12,600	12,900	12,300
Wholesale--Durable	6,500	6,500	6,500	6,700	6,800	7,000	7,000	7,200	7,200	7,400	7,500	7,800	7,000
Wholesale--Nondurable	5,400	5,400	5,400	5,300	5,300	5,200	5,300	5,200	5,100	5,100	5,100	5,100	5,200
Retail Trade	60,800	60,400	60,900	61,600	61,400	61,800	62,000	61,900	61,900	61,600	63,700	65,900	62,000
General Merchandise	7,700	7,100	7,000	7,100	6,900	6,900	7,000	7,100	7,200	7,300	8,200	9,000	7,400
Food Stores	8,900	9,100	9,200	9,100	9,100	9,100	8,900	8,900	9,000	9,000	9,400	9,300	9,100
Automotive Dealers & Service	5,700	5,800	5,900	6,100	6,100	6,100	6,200	6,200	6,200	6,200	6,200	6,300	6,100
Eating & Drinking Places	19,200	19,400	19,600	19,800	20,000	20,100	20,500	20,300	20,200	19,900	19,700	19,800	19,900
Other Retail Trade (11)	19,300	19,000	19,200	19,500	19,300	19,600	19,400	19,400	19,300	19,200	20,200	21,500	19,600
Finance, Insurance & Real Estate	28,300	28,400	28,500	28,500	28,400	28,300	28,100	28,400	28,300	28,100	28,300	28,800	28,400
Finance	15,800	15,900	16,000	15,900	15,700	15,500	15,400	15,600	15,600	15,400	15,400	15,700	15,700
Other Fin., Ins. & Real Estate	12,500	12,500	12,500	12,600	12,700	12,800	12,700	12,800	12,700	12,700	12,900	13,100	12,700
Services	107,100	108,300	110,000	109,300	110,500	112,100	110,300	111,100	110,900	109,200	108,900	109,300	109,800
Hotels & Other Lodging Places (2)	2,200	2,300	2,200	1,900	1,900	2,000	2,000	2,000	2,000	1,900	1,900	1,900	2,000
Personal Services (12)	3,500	3,700	3,700	3,800	3,600	3,600	3,600	3,600	3,700	3,700	3,700	3,900	3,700
Business Services	31,000	31,100	31,900	30,800	31,100	31,300	30,700	31,100	30,800	29,600	29,400	29,100	30,700
Health Services	24,900	25,100	25,400	25,500	25,600	25,700	25,400	25,700	25,900	25,800	25,900	26,200	25,600
Private Educational Services	4,800	5,000	5,100	5,100	5,100	4,900	4,500	4,500	4,900	5,000	5,000	5,100	4,900
Engineering & Management	11,600	11,800	11,900	12,000	12,000	12,200	12,200	12,400	12,400	12,600	12,400	12,600	12,200
Other Services	29,100	29,300	29,800	30,200	31,200	32,400	31,900	31,800	31,200	30,600	30,600	30,500	30,700

CONTRA COSTA COUNTY
(Data Disaggregated from Oakland Metropolitan Statistical Area)
Wage and Salary Employment by Industry
(Data Not Seasonally Adjusted)
2001 Benchmark
Monthly January - December 2000

Industry Title	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	AVG
Government	48,300	48,700	49,100	49,000	49,900	50,500	44,300	44,300	47,600	48,900	49,400	48,400	48,200
Federal Government	6,600	6,600	6,800	6,800	7,600	8,200	6,800	6,900	5,900	6,000	5,900	5,900	6,700
State & Local Government	41,700	42,100	42,300	42,200	42,300	42,300	37,500	37,400	41,700	42,900	43,500	42,500	41,500
State Government	900	900	900	900	900	900	900	900	900	900	900	900	900
State Education	0	0	0	0	0	0	0	0	0	0	0	0	0
Other State Government	900	900	900	900	900	900	900	900	900	900	900	900	900
Local Government	40,800	41,200	41,400	41,300	41,400	41,400	36,600	36,500	40,800	42,000	42,600	41,600	40,600
Local Education	24,900	25,200	25,300	25,200	25,300	24,900	19,900	19,700	24,700	25,800	26,200	25,400	24,400
County Government	9,500	9,500	9,500	9,500	9,500	9,600	9,500	9,600	9,500	9,600	9,700	9,600	9,600
City Government	4,500	4,600	4,700	4,700	4,700	5,000	5,200	5,200	4,700	4,700	4,700	4,700	4,800
Other Local Government	1,900	1,900	1,900	1,900	1,900	1,900	2,000	2,000	1,900	1,900	2,000	1,900	1,900

n/a = Data not available.

Footnotes: See last page of this section.

CONTRA COSTA COUNTY
(Data Disaggregated from Oakland Metropolitan Statistical Area)
Wage and Salary Employment by Industry
(Data Not Seasonally Adjusted)
2001 Benchmark
Monthly January - December 2001

Industry Title	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	AVG
Total, All Industries (1)	339,700	341,300	346,000	340,500	341,200	343,300	340,300	341,900	343,000	343,800	343,500	343,500	342,300
Total Farm	1,800	2,100	2,600	2,500	2,500	2,400	2,600	2,600	2,500	2,300	2,200	2,200	2,400
Farm Production (2)	1,700	2,000	2,500	2,400	2,400	2,300	2,500	2,500	2,400	2,200	2,100	2,100	2,300
Farm Services	100	100	100	100	100	100	100	100	100	100	100	100	100
Total Nonfarm	337,900	339,200	343,400	338,000	338,700	340,900	337,700	339,300	340,500	341,500	341,300	341,300	340,000
Goods Producing	53,700	53,700	54,600	55,100	55,500	56,000	56,400	56,600	56,700	56,100	54,600	54,100	55,300
Mining (3)	1,500	1,500	1,500	1,600	1,600	1,600	1,600	1,600	1,600	1,600	1,600	1,600	1,600
Construction	26,500	26,700	27,300	27,800	28,300	28,800	29,200	29,400	29,600	29,100	28,100	27,600	28,200
General Building Contractors	7,200	7,300	7,500	7,500	7,600	7,800	8,000	8,100	8,200	8,100	7,700	7,500	7,700
Heavy Construction (4)	4,100	4,100	4,200	4,300	4,600	4,900	5,000	5,000	5,100	4,800	4,500	4,400	4,600
Special Trade	15,200	15,300	15,600	16,000	16,100	16,100	16,200	16,300	16,300	16,200	15,900	15,700	15,900
Manufacturing	25,700	25,500	25,800	25,700	25,600	25,600	25,600	25,600	25,500	25,400	24,900	24,900	25,500
Durable Goods	10,200	10,100	10,300	10,400	10,300	10,100	10,000	10,100	10,000	10,000	9,800	9,800	10,100
Lumber, Wood, & Furniture	800	800	800	800	800	800	800	800	800	800	800	800	800
Stone, Clay, & Glass	600	600	700	700	700	700	700	700	700	700	700	700	700
Primary & Fabricated Metal	2,200	2,200	2,300	2,300	2,200	2,200	2,100	2,200	2,200	2,200	2,100	2,100	2,200
Industrial Machinery (4)	700	700	800	800	800	700	700	700	700	700	600	600	700
Computer & Office Equipment	100	100	100	100	100	100	100	100	100	100	100	100	100
Other Industrial Machinery	600	600	700	700	700	600	600	600	600	600	500	500	600
Electronic Equipment (4)	1,800	1,800	1,800	1,800	1,800	1,800	1,800	1,800	1,700	1,700	1,700	1,700	1,800
Comm. Equip., Elec. Compts (2)	900	900	900	900	900	900	900	900	900	900	900	900	900
Other Electronic Equipment	900	900	900	900	900	900	900	900	800	800	800	800	900
Transportation Equipment (4)	700	700	700	700	700	700	700	700	700	700	700	700	700
Instruments & Related Prods. (5)	3,100	3,000	3,000	3,000	3,000	2,900	2,900	2,900	2,900	2,900	2,900	2,900	3,000
Miscellaneous Manufacturing	300	300	200	300	300	300	300	300	300	300	300	300	300
Nondurable Goods	15,500	15,400	15,500	15,300	15,300	15,500	15,600	15,500	15,500	15,400	15,100	15,100	15,400
Food & Kindred Products	1,700	1,700	1,700	1,600	1,600	1,600	1,600	1,600	1,600	1,600	1,500	1,500	1,600
Paper & Allied Products	300	300	300	300	300	300	300	300	300	300	300	300	300
Printing & Publishing	2,800	2,800	2,800	2,800	2,700	2,800	2,800	2,700	2,700	2,700	2,700	2,700	2,800
Chemicals & Allied Products (4)	3,200	3,200	3,200	3,200	3,200	3,200	3,200	3,200	3,200	3,200	3,100	3,100	3,200
Petroleum & Coal Products (6)	6,700	6,700	6,700	6,700	6,800	6,900	7,000	7,000	7,000	6,900	6,800	6,800	6,800
Other Nondurable Goods	800	700	800	700	700	700	700	700	700	700	700	700	700

CONTRA COSTA COUNTY
(Data Disaggregated from Oakland Metropolitan Statistical Area)
Wage and Salary Employment by Industry
(Data Not Seasonally Adjusted)
2001 Benchmark
Monthly January - December 2001

Industry Title	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	AVG
Service Producing	284,200	285,500	288,800	282,900	283,200	284,900	281,300	282,700	283,800	285,400	286,700	287,200	284,700
Transportation & Public Utilities	20,600	20,500	20,600	20,900	20,900	20,900	20,900	21,000	20,900	20,800	20,600	20,600	20,800
Transportation	8,000	7,800	7,900	7,800	7,700	7,600	7,600	7,600	7,500	7,500	7,300	7,300	7,600
Trucking & Warehousing (7)	2,600	2,600	2,600	2,500	2,500	2,500	2,500	2,500	2,500	2,500	2,500	2,500	2,500
Water Transportation (8)	900	800	800	800	800	800	800	800	800	800	800	800	800
Air Transportation (9)	2,000	2,000	2,100	2,100	2,000	1,900	1,900	1,900	1,900	1,900	1,800	1,800	1,900
Other Transportation (10)	2,500	2,400	2,400	2,400	2,400	2,400	2,400	2,400	2,300	2,300	2,200	2,200	2,400
Communications & Public Util.	12,600	12,700	12,700	13,100	13,200	13,300	13,300	13,400	13,400	13,300	13,300	13,300	13,100
Communications	9,700	9,700	9,700	10,500	10,500	10,600	10,600	10,700	10,700	10,600	10,600	10,600	10,400
Electric, Gas & Sanitary Serv.	2,900	3,000	3,000	2,600	2,700	2,700	2,700	2,700	2,700	2,700	2,700	2,700	2,800
Trade	74,100	73,300	73,800	73,500	73,800	74,600	74,600	74,600	74,500	74,200	75,200	75,900	74,300
Wholesale Trade	11,900	11,900	12,100	12,200	12,200	12,300	12,300	12,300	12,200	12,200	12,200	12,200	12,200
Wholesale--Durable	7,200	7,200	7,300	7,400	7,400	7,400	7,400	7,400	7,300	7,300	7,300	7,300	7,300
Wholesale--Nondurable	4,700	4,700	4,800	4,800	4,800	4,900	4,900	4,900	4,900	4,900	4,900	4,900	4,800
Retail Trade	62,200	61,400	61,700	61,300	61,600	62,300	62,300	62,300	62,300	62,000	63,000	63,700	62,200
General Merchandise	7,400	6,900	6,800	6,700	6,700	7,000	7,000	7,100	7,100	7,200	7,800	8,100	7,200
Food Stores	9,200	9,300	9,400	9,400	9,400	9,400	9,400	9,400	9,400	9,400	9,400	9,400	9,400
Automotive Dealers & Service	6,200	6,200	6,200	6,300	6,300	6,400	6,400	6,400	6,400	6,400	6,400	6,500	6,300
Eating & Drinking Places	19,700	19,700	20,000	19,900	20,100	20,200	20,200	20,100	20,100	20,000	19,900	19,800	20,000
Other Retail Trade (11)	19,700	19,300	19,300	19,000	19,100	19,300	19,300	19,300	19,300	19,000	19,500	19,900	19,300
Finance, Insurance & Real Estate	33,400	33,900	34,100	28,400	28,900	28,700	28,800	28,800	28,800	28,900	29,100	29,200	30,100
Finance	20,400	20,800	20,900	15,200	15,500	15,200	15,300	15,300	15,300	15,400	15,400	15,500	16,700
Other Fin., Ins. & Real Estate	13,000	13,100	13,200	13,200	13,400	13,500	13,500	13,500	13,500	13,500	13,700	13,700	13,400
Services	107,900	108,900	110,000	108,900	109,600	111,100	110,600	110,700	110,600	110,200	110,300	110,400	109,900
Hotels & Other Lodging Places (2)	1,700	1,700	1,800	1,700	1,700	1,800	1,800	1,800	1,800	1,800	1,800	1,800	1,800
Personal Services (12)	3,700	3,800	3,900	3,900	3,700	3,800	3,800	3,800	3,800	3,800	3,800	4,000	3,800
Business Services	28,600	28,400	28,400	27,300	27,100	27,100	27,000	27,000	26,900	26,800	26,700	26,800	27,300
Health Services	25,800	26,000	26,200	26,200	26,500	26,600	26,600	26,700	26,700	26,800	26,700	26,700	26,500
Private Educational Services	5,100	5,300	5,400	5,100	5,100	5,100	4,600	4,500	5,000	5,200	5,300	5,100	5,100
Engineering & Management	13,100	13,000	13,100	13,300	13,300	13,400	13,400	13,400	13,400	13,400	13,300	13,300	13,300
Other Services	29,900	30,700	31,200	31,400	32,200	33,300	33,400	33,500	33,000	32,400	32,700	32,700	32,200

CONTRA COSTA COUNTY
(Data Disaggregated from Oakland Metropolitan Statistical Area)
Wage and Salary Employment by Industry
(Data Not Seasonally Adjusted)
2001 Benchmark
Monthly January - December 2001

Industry Title	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	AVG
Government	48,200	48,900	50,300	51,200	50,000	49,600	46,400	47,600	49,000	51,300	51,500	51,100	49,600
Federal Government	6,100	6,100	6,100	6,600	6,500	6,500	6,500	6,500	6,700	6,500	6,500	6,600	6,400
State & Local Government	42,100	42,800	44,200	44,600	43,500	43,100	39,900	41,100	42,300	44,800	45,000	44,500	43,200
State Government	900	900	900	900	900	900	900	900	900	900	900	900	900
State Education	0	0	0	0	0	0	0	0	0	0	0	0	0
Other State Government	900	900	900	900	900	900	900	900	900	900	900	900	900
Local Government	41,200	41,900	43,300	43,700	42,600	42,200	39,000	40,200	41,400	43,900	44,100	43,600	42,300
Local Education	24,900	25,600	26,900	27,100	25,800	25,000	21,600	22,900	24,400	26,800	27,000	26,500	25,400
County Government	9,700	9,700	9,800	9,900	9,900	10,000	9,900	9,900	10,000	10,100	10,100	10,100	9,900
City Government	4,700	4,700	4,700	4,800	4,900	5,200	5,400	5,300	5,000	5,000	5,000	5,000	5,000
Other Local Government	1,900	1,900	1,900	1,900	2,000	2,000	2,100	2,100	2,000	2,000	2,000	2,000	2,000

n/a = Data not available.

Footnotes: See last page of this section.

CONTRA COSTA COUNTY
(Data Disaggregated from Oakland Metropolitan Statistical Area)
Wage and Salary Employment by Industry
(Data Not Seasonally Adjusted)
2001 Benchmark
Footnotes

- Note: a) In 1988, there were changes in the Standard Industrial Classification (SIC). Data prior to 1988 may not be comparable.
- b) 1992-2001 industry data may not be comparable to previously published data because of changes in SIC cell structures.
- 1) Source: Current Employment Statistics
Employment data reflect jobs by place of work; does not include self-employed, unpaid family members, domestics, volunteers, or persons involved in trade disputes. Annual average detail may not add to totals due to independent rounding. Agricultural data exclude farmers, unpaid family workers. Also excluded are veterinary, other animal, landscape and horticultural services (SIC 074,075,078). Construction data include employees of construction contractors and operative builders. Government data include all civilian employees of federal, state and local government regardless of the activity in which the employee is engaged.
- 2) Break in series 1995: Data are comparable from 1995 to present.
- 3) Breaks in series 1990, 1998, 1999, and 2001: Data are comparable from 1990 through 1997, from 2000 to 2001, and from 2001 to present.
- 4) Break in series 1988: Data are comparable from 1988 to present.
- 5) Breaks in series 1988 and 1999: Data are comparable from 1988 through 1998, and from 1999 to present.
- 6) Breaks in series 1993 and 1999: Data are comparable from 1993 through 1998, and from 1999 to present.
- 7) Breaks in series 1996 and 1998: Data are comparable from 1996 through 1997, and from 1998 to present.
- 8) Breaks in series 1996 and 1999: Data are comparable from 1996 through 1998, and from 1999 to present.
- 9) Breaks in series 1995, 1996 and 1997: Data are comparable from 1997 to present.

CONTRA COSTA COUNTY
(Data Disaggregated from Oakland Metropolitan Statistical Area)
Wage and Salary Employment by Industry
(Data Not Seasonally Adjusted)
2001 Benchmark
Footnotes

- 10) Break in series 1992: Data are comparable from 1992 to present.
- 11) Breaks in series 1990 and 1995: Data are comparable from 1990 through 1994, and from 1995 to present.

Projections & Planning Information

Module D:

Projections

PROJECTIONS AND PLANNING INFORMATION

UPDATE

FOR

CONTRA COSTA COUNTY

Replace Module D: PROJECTIONS

**EMPLOYMENT DEVELOPMENT DEPARTMENT
LABOR MARKET INFORMATION DIVISION**

For questions about this report, call (916) 262-2162



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INTRODUCTION

to Industry and Occupational Projections

Using Projections Data

The projections contained in these tables provide information for estimating job opportunities, developing training programs, and gaining an insight into future employment trends. However, before reaching any final conclusions, the user should consider the following:

Remember that these data are estimates. They were developed based on the assumption that historical trends will continue into the future. However, events may occur during the seven-year projection period that are impossible to predict. Events such as military base closures, major business closures or openings and natural disasters can all have a major impact on employment levels.

Do not use these projections as your sole source of information. Use other, more recent sources of local economic data to corroborate the projection data. This information may be found in other documents such as those published by the Employment Development Department's Labor Market Information Division, local chambers of commerce, or local economic development agencies.

Projections employment data are annual averages. These averages may not accurately portray seasonal occupations or industries such as those found in agriculture, retail sales, recreation, and construction.

Employment levels stated reflect workers who are covered by the Unemployment Insurance program. As a result, industries that are made up largely of individuals who are self-employed will be understated. Examples

include industries such as real estate, hair salons, and bookkeeping. Occupations such as dental hygienists and consultants will also show an understated level of employment.

Industry Projections

Projections by industry forecast the anticipated changes within an industry over time. Forecasts for each county are based on the county's past employment trends and are refined by a review of current economic developments within the local community. The effect of State-level economic trends are also considered.

Industry employment projections utilize industry employment data from both the Current Employment Statistics (CES) program, and the Employment Payroll (ES202) program. There is a certain amount of error built into both systems. These errors may include employers classified in the wrong industry, incorrect employment levels reported by the employer and employment reported in the wrong county.

If an industry shows a decrease in future employment, it may be that only one or two industry components are experiencing the decline and other components are still expected to hire new workers. It is best to investigate all sectors of the industry. For example, retail trade has several components: building materials and garden supplies; general merchandise stores; food stores, automotive dealers and service stations; and apparel and accessory stores, to name a few.

Geographical differences account for differing

employment opportunities. If an individual is considering relocating from one area of the state to another, the size of the industry and its expected growth level need to be kept in mind. Small rural counties will not have the same employment possibilities as do the larger metropolitan areas.

Knowing Future Industry Trends:

- ✓ helps economic development professionals foster compatible growth and promote the county's strengths,
- ✓ helps local government agencies, non-profit agencies, researchers and other interested parties formulate plans and proposals,
- ✓ helps people looking for work and those doing counseling and/or job placement to learn about employment opportunities in various industries.

Occupational Projections

Projections by occupation estimate the changes in occupational employment over time resulting from two principal causes - growth and technology. Changes in the number, size and type of employers within a given geographical area will affect the demand for certain occupations. Also, technological advances or changes in laws or regulations may affect the occupational mix.

County occupational projections are prepared for all but the smaller counties which are grouped together to produce projections at the multicounty level.

General changes in the work place affect some occupations. Jobs may be created, eliminated or consolidated because of restructuring or regulations affecting the requirements for the job. For example, personal computers and word processing programs eliminated many typist jobs, but created a need for word processors.

An occupational title does not give details

about the occupation. An individual starting a career search may want to look at the various occupations in this module, choose any that are of interest and then do further research on the occupation or occupations of choice.

There are other sources of information (listed below) about specific occupations and the details, such as skills and educational requirements, hourly earnings, benefits, working conditions and advancement opportunities.

Industry staffing patterns used for the projections process are developed from the annual OES Survey of employers. The survey utilizes a sample of the entire universe of Unemployment Insurance (UI) covered employers. Because it is a survey, it is important that the following points be considered:

- ✓ There is inherent statistical error as a result of both the sampling process and the level of employer response to the survey mailings.
- ✓ The OES staffing patterns may contain errors because of the problems employers may have in completing the survey. These errors typically include misunderstanding of survey instructions, misinterpretation of occupational definitions and/or titles contained on the forms, and clerical errors in filling out the forms.
- ✓ The employer's response to the survey may reflect conditions that are atypical. The employer may be experiencing a temporary shutdown, seasonal high or low employment, or a temporary increase in demand for his/her product or service.

Occupational projections data indicate the major local occupations and which occupations are likely to offer the greatest number of job opportunities. When possible, the user should focus on larger groups rather than specific occupations. Some occupations may not appear in published tables because of the very small number of people employed in that area or because of confidentiality concerns.

Although an occupation may be stable and is not expected to grow, it does not mean that there are no opportunities for employment. All occupations have turnover opportunities - individuals change or leave their jobs permanently for varying reasons. High turnover, especially in occupations that require lower-skill levels, would mean that there are frequent openings even though there is little or no growth.

The occupational projections data are prepared for employment and training planners, vocational educators, and others who need information on future employment by occupation. The outlook information can be used in making occupational training decisions and career choices. Employers considering expansion or relocation may find the data helpful in understanding the occupational composition and trends in a county or geographic region.

Additional Sources of Information

For additional information on economic conditions in a particular county, you may contact the Labor Market Information Division's area consultants who are located in the community and are knowledgeable about the economic activities within the counties that they serve, and the local One Stop locations where additional publications on labor market information may be obtained. Other sources of information include:

- Wage And Salary Employment by Industry
- Bureau of Labor Statistics, Occupational Outlook Handbook
- California Occupational Guides
- Bureau of Labor Statistics, Dictionary of Occupational Titles
- California Association for Local Economic Development (CALED)

- Local Chambers of Commerce
- Local Economic Development Organizations
- Local Newspapers
- Standard Industrial Classification Manual

Automated Access

Electronic access to current data is available through the Employment Development Department's Internet address at:

<http://www.calmis.ca.gov>

For technical assistance or additional information about the Employment Development Department's Internet website, please call (916) 262-2162 and select option #2. Customers may also call (916) 262-2162 or FAX (916) 262-2443 to order other publications.

Description of Industry and Occupational Tables

Employment includes nonagricultural wage and salary workers except for self-employed persons, unpaid family workers, private household workers, and those involved in labor-management trade disputes. For the Federal government sector, employment includes all civilian employees regardless of the activities in which they are engaged.

Industry

An **industry division** refers to a distinct group of private, public, or nonprofit enterprises engaged in producing goods or providing services. With the exception of government, industries are classified by the Standard Industrial Classification (SIC) system. Industries are grouped into ten major categories, according to the economic activity involved. The ten major categories or industry divisions are:

Agriculture, Forestry, and Fishing (SIC 01–09) includes establishments primarily engaged in agricultural production, forestry, commercial fishing, hunting and trapping, and related services.

Mining (SIC 10–14) includes all establishments involved in the extraction of minerals, crude petroleum, and natural gas. It includes quarrying, well operations, milling, and other related activities.

Construction (SIC 15–17) includes establishments engaged in contract construction. This includes new work, additions, alterations, and repairs performed by general and special trade contractors.

Manufacturing (SIC 20–39) includes establishments which are usually described as plants, factories, or mills that are engaged in

producing or processing non-durable or durable goods. These characteristically use power-driven machines and material-handling equipment.

Transportation and Public Utilities (SIC 40–49) includes enterprises engaged in passenger and freight transportation by surface, water, and air and warehousing and other transportation services. It also includes the communications complex of telephone, telegraph, radio, and television; and the utilities providing gas, electric, and sanitary services.

Wholesale Trade (SIC 50–51) includes establishments involved in the selling of merchandise to retailers; to industrial, commercial, farm, construction contractors, or professional business users; or to other wholesalers.

Retail Trade (SIC 52–59) includes establishments involved in the selling of merchandise for personal or household consumption and rendering services incidental to the sale of goods.

Finance, Insurance, and Real Estate (SIC 60–67) includes savings and loan institutions, banks, and security and commodity brokerages, insurance agencies and carriers, real estate sales and management offices, and rental and planning agencies.

Services (SIC 70–89) includes establishments such as hotels, laundries, auto repair shops, theaters, legal services, advertising services, private schools and hospitals, and nonprofit organizations which are engaged in rendering a variety of services to individuals and businesses.

Government includes the legislative, judicial, administrative, and regulatory activities of federal, state, local and international governments. It also includes federal, state, and local government hospitals and education.

Table 1: Employment By Major Industry

This table shows 1999 estimated employment and 2006 projected employment along with the percentage of total employment for each major industry division.

Table 2: Employment by Industry

This table shows employment and projected employment by industry. The number of jobs is estimated for 1999 and projected for 2006. The column entitled "SIC" lists the Standard Industrial Classification code for each industry grouping. The column labeled "Absolute Change" provides the projected change in employment between 1999 and 2006. The "Percent Change" column is the growth rate over the seven-year period.

Occupational

Occupational groups are groups of occupations with similar skills and/or educational requirements, based on the OES groupings. There are over 800 detailed occupations and close to 100 summary level occupations in the Occupational Employment Statistics (OES) classification system. The seven occupational groups are listed below.

Managers and Administrative occupations are top and mid-level managers, administrators, and executives. Primary duties are policy making, planning, staffing, directing or controlling the activities of a firm. First-line supervisors are excluded from this category.

Professional, Paraprofessional, and Technical occupations are concerned with theoretical or practical aspects of such fields as science, art, education, health, law, and business relations. Professional occupations generally

require long and intensive preparation, while technical occupations work closely with professional personnel and are required to have a combination of basic scientific knowledge and specialized education.

Sales And Related occupations are concerned with influencing customers to buy commodities, services, real estate, and investments.

Clerical And Administrative Support occupations prepare, transcribe, systematize, and preserve written communications and records; distribute information; and collect accounts.

Service Occupations prepare and serve food and drink; provide lodging and related services; provide grooming, cosmetic, and other personal and health care services; maintain and clean clothing and other wearing apparel; provide protection for people and property; attend to the comfort or requests of patrons of amusement and recreation facilities; and perform cleaning and maintenance services in the interiors of buildings.

Agricultural, Forestry, And Fishing occupations in this report include only forestry workers, nursery workers, animal caretakers, and gardeners and groundskeepers.

Production, Construction, Operating, Maintenance, and Material Handling are skilled, semiskilled, and unskilled workers performing machine and manual tasks involving production, construction, operating maintenance, repair, and material handling operations.

Table 3: Employment by Major Occupational Group

This table shows 1999 and 2006 employment and projected employment for the seven major occupational groups. The "Percent of Total" column displays the percentage of total employment each major occupational group represents. The "Absolute Change" column

gives the number of job opportunities resulting from the creation of new jobs. "Percent Change" shows the percentage change for each occupational group.

Table 4: Occupations with the Greatest Absolute Job Growth

This table lists the 50 occupations that are projected to register the largest absolute change between 1999 and 2006. In general, these occupations are numerically large. Some have average projected rates of growth, but because of their employment size will add significant numbers of new jobs over the 1999–2006 period.

Table 5: Occupations with the Fastest Job Growth

This table lists the 50 occupations with the greatest projected percentage increases. It provides a different perspective to future occupational employment changes. It is important to note that some of these occupations are increasing rapidly from relatively small employment levels and are not necessarily found in Table 4.

Table 6: Occupational Employment Projections

This table provides occupational detail for up to 800 occupations. Annual average employment in each occupation is shown for 1999 and 2006. The column headed "Absolute Change" presents the number of job opportunities resulting from the creation of new jobs. The "Percent Change" column shows the percentage change for each occupation. The next column, "Openings Due to Separations", shows job opportunities that are created by workers leaving the occupation. Also included in this table is the Occupational Employment Statistics (OES) codes column. It shows the distinctive California OES code for each occupational title.

Each occupation in Table 6 is identified by a line number. The Alphabetical Index of Occupations section found in this module may be used to locate individual occupations in the detailed table. The same line numbers are used in all area reports for 1999–2006. Line numbers may be different for other time periods. Not all line numbers appear in all counties; missing line numbers indicate occupations with no employment or employment below the area's cutoff point for publishing.

Table 7: Occupations with the Most Openings (Growth plus Separations)

This table lists the occupations that are projected to register the largest absolute growth and separations between 1999 and 2006. In general, these occupations are numerically large. Some have average projected rates of growth, but because of their employment size will add significant numbers of new job openings over the 1999–2006 period.

Table 8: Occupations with Projected Decline

This table lists the occupations that are projected to decline over the 1999–2006 time period. Declining employment is a sign that the occupation has no growth. However, turnover may result in some job opportunities.

Training Level Definitions

Occupational training and education classifications were developed by the Bureau of Labor Statistics to improve on prior classification systems that did not distinguish between occupations with comparable educational requirements. For example, neither carpenters nor laborers require formal education beyond high school, but the complexity of the work and the training time required results in carpenters being placed in the long-term on-the-job training category and laborers placed in the short-term on-the-job training category. Of course there is more than one way to qualify for a job. In this classification system, the education and training required reflects the manner in which most workers become proficient in that occupation and the preferences of most employers.

1. First professional degree. Occupations that require at least two years of full-time academic study beyond a bachelor's degree (for example, law, medicine, dentistry and clergy).

2. Doctoral degree. Occupations that require at least three years of full-time academic study beyond a bachelor's degree culminating in a doctoral degree.

3. Master's degree. Occupations that require the completion of a master's degree program which is usually one to two years beyond a bachelor's degree.

4. Bachelor's or higher and some work experience. Occupations that generally require work experience in an occupation requiring a bachelor's or higher degree. Most occupations in this category are managerial occupations that require work experience in a related non-managerial occupation.

5. Bachelor's degree. Occupations that require the completion of at least 4 but not more than 5 years of full-time academic study beyond high school resulting in a Bachelor's degree.

6. Associate degree. Occupations that require the completion of at least 2 years of full-time academic study beyond high school.

7. Post-secondary vocational education. Occupations that require completion of vocational school training.

8. Work experience. Occupations that require skills obtained through work experience in a related occupation.

9. Long-term on-the-job training. Occupations that require more than 12 months of on-the-job training or combined work experience and formal classroom instruction for workers to develop the skills needed for average job performance.

10. Moderate-term on-the-job training. Occupations in which workers can develop average job performance after 1 to 12 months of combined on-the-job experience and informal training.

11. Short-term on-the-job-training. Occupations in which workers can develop skills needed after a short demonstration or up to one month of on-the-job experience and instruction.

Industry Trends and Outlook

The Employment Development Department projects Contra Costa County's nonfarm employment to expand by 57,000 jobs, or 17.5 percent, and reach a total of 382,300 jobs. The county's employment growth, averaging 2.5 percent per year over the seven-year forecast period, is slightly higher than the state of California's 2.4 percent per year. In Contra Costa County, strong growth among the services industries will produce an estimated 27,600 jobs, or nearly one-half of all the gains. Government will place second with 8,600 additional jobs followed by retail trade with an increase of 6,900 jobs. Construction will come in fourth with 5,700 more jobs. Most other industry divisions will show employment gains over the forecast period, but they will grow more slowly than the county's overall increase of 17.5 percent. Mining payrolls will shrink during the 1999-2006 period.

The **services** industry division will continue to hold center stage as both the fastest growing and largest industry in the county. It's growth rate of 26.0 percent, representing 27,600 jobs, will be a key force driving the local economy. Within the services industry division, business services will produce over a third of the employment increase or 10,000 jobs. Computer-related companies—those producing computer programs, prepackaged software, processing data, retrieving information, and maintaining computers—will comprise the fastest rising sector of business services. High-tech companies from Santa Clara, San Mateo, and San Francisco counties continue to move to Contra Costa County, attracted by lower rents on commercial space, the largest amount of new housing in the Bay Area, and a highly-educated workforce. The second fastest-growing sector in business services will be employment agencies and help supply services followed by security-

related businesses. The remaining business services—advertising, building maintenance, equipment rental, and credit and collection agencies—will increase more slowly than the other business services but will still grow faster than the overall rate for Contra Costa County (17.5 percent). Health services will add 5,200 workers. New doctors' offices, outpatient clinics, assisted living and intermediate care facilities, wings to existing hospitals and a new optical department will provide services primarily for the expanding population centers in eastern, western and southern Contra Costa County. Engineering and management services, including accounting and research firms, will increase by 3,000 jobs. These businesses will continue servicing the needs of high-tech and finance, insurance and real estate firms in central and south county areas as well as the construction firms throughout the county. Private educational services will grow by 1,000 jobs. The combined "all other services" industries will move upward by 7,400 jobs. The fastest growing sectors within all other services include family services, job training, childcare, residential care, landscaping and horticultural services, and amusements and recreation services. Several large upscale fitness centers as well as multiple screen movie theaters will open in the county.

Government will produce an additional 8,600 jobs over the forecast period, but continue to hold third place in employment size behind the services and retail trade industry divisions. Part of the expansion is due to two atypical events, one in local education and the other in state government. The forecast increase of 5,600 jobs in local education is due to two factors. The home-building boom in Contra Costa County will yield fifteen new elementary, middle, and high schools by 2006. This

increase stands in sharp contrast to the 1990-1996 period, when education totals grew by about 300 jobs a year. The other cause is the State legislation that reduced classrooms to 20 students per class. That boosted the total number of jobs for elementary school teachers. Other local government payrolls (county and city) will gain 1,500 jobs, because of the demand for public services from an expanding population. For state government, the relocation of health service workers from Alameda and Solano counties to a new facility in Richmond will be the key factor boosting employment by 1,200 jobs. Federal employment will inch up by 400 jobs, spread throughout a variety of agencies, including postal services. Although federal non-defense employment has grown slowly but steadily for some time, this slight improvement will be partially overshadowed by losses from the closing of the Naval Weapons Station in Port Chicago during this forecast period.

Trade employment (wholesale and retail combined) will add 7,600 jobs between 1999 and 2006. The Department expects the **retail trade** industry division to add 6,900 jobs, an increase of 11.4 percent. Eating and drinking places will add 2,700 jobs, supplying nearly 40 percent of the increase. Food stores will move up by 600 jobs, primarily due to grocery stores opening in the new housing areas. Both general merchandise stores and auto dealers will add 500 jobs. Although several national-chain general merchandise stores closed because of bankruptcies, a few large businesses will move in to replace them. However, the trend is for a stronger expansion in smaller stores rather than in big-box stores. These businesses are expected to come into the more urban central and southern sections of the county while multiple shopping centers with smaller businesses are expected to open

in the newer housing developments in the eastern and western parts of the county. In other kinds of retail trade, family clothing stores, drug stores, and lumber and building materials stores will add to job totals. **Wholesale trade** will gain 700 jobs (5.8 percent) by 2006 with the increase split almost equally between nondurable and durable goods. Durable goods include long lasting items such as motor vehicles, furniture, and machinery. Paper products, groceries, clothing, drugs, beverages, or goods that last a shorter time make up nondurable goods. Trade employment (retail and wholesale combined) will stand second in overall size during the forecast period. Trade fell to second place behind services employment over a decade ago but remains a strong force in the local economy.

The fast pace of building thousands of new homes will be the key contributor to **construction** payrolls expanding by 5,700 jobs. Although services, government, and retail trade will each produce more jobs than construction between 1999-2006, construction will grow at a faster rate than all other industries besides services with a strong percentage gain of 23.6 percent. Contra Costa County continues through the forecast period as one of the few locations close to the center of the Bay Area with large tracts of buildable land. Antioch, Brentwood and Pittsburg in the east county, San Ramon in the southern part, and Hercules and Richmond in the west will add significant numbers of new homes. Although work has almost stopped on office buildings due to overcapacity, builders will add some office buildings in the county. Furthermore, remodeling work continues as a popular option during this time of rapidly escalating new or replacement home prices. These activities will contribute to boosting special

trades construction payrolls by 3,500 jobs. Special trades include electrical, plumbing, painting, roofing, glazing, carpentry, and other related contractors. In addition, heavy construction job totals will continue to grow because of freeway and other road building needed to accommodate the ever-expanding number of local and long distance commuters as well as trucks transporting goods.

Although **manufacturing** has declined in Contra Costa County during the past years because of the move towards a service-based economy, it will show gains of 3,700 jobs (15.2 percent) by 2006. Electronic equipment firms will add 1,100 jobs from new companies moving into the county and from the expansion of existing companies. A company manufacturing telecommunications equipment opened a plant in Richmond and will bring its company headquarters over from Alameda County during the forecast period. Other electronic equipment companies are expanding in the west and central sections of the county. Also, instruments and related products will increase by 1,000 jobs. Petroleum products manufacturing will gain 500 jobs due primarily to the move of the company headquarters of a large refinery and oil exploration company from San Francisco to San Ramon. Chemical manufacturing will add 300 jobs, boosted by the expansion of biotechnology manufacturing companies and other chemical companies mostly in Hercules and Richmond. Steel manufacturing payrolls will shrink as will food manufacturing due to the bankruptcy of a large food processing company.

Transportation and public utilities payrolls will move upward by 3,000 workers or 15.1 percent. Communications and public utilities employment will expand by 1,800 jobs,

because of services needed for large numbers of new homes and businesses as well as increases in communications companies. The opening of new power plants will also boost job totals. Improvements in transportation employment totals—up by 1,100 jobs—will occur mostly in trucking and warehousing, and in package shipping companies.

The **finance, insurance and real estate** industry division is expected to gain 1,100 jobs by 2006. This industry division continues to advance in importance in the county and overtook manufacturing in 1997 to move into fourth place in overall employment size. Contra Costa County is increasingly attracting businesses from the finance centers of San Francisco and other cities in the west bay primarily because of the less expensive office space and large potential base of customers. Contra Costa is among in the top five in the state in per-capita income with an even higher income for residents of the central and southern sections where the majority of the finance, insurance and real estate businesses are located.

Mining payrolls will decline by 200 jobs primarily because a gold mining company will move to Canada. Other significant mining employment in the county consists of headquarters staff of oil and gas exploration companies.

Table 1
Employment By Major Industry (1)
1999 - 2006 Annual Averages
CONTRA COSTA COUNTY

INDUSTRY	1999 (2)	PERCENT OF TOTAL	2006	PERCENT OF TOTAL
TOTAL NONFARM	325,300	100.0%	382,300	100.0%
MINING	2,100	0.6%	1,900	0.5%
CONSTRUCTION	24,200	7.4%	29,900	7.8%
MANUFACTURING	24,400	7.5%	28,100	7.4%
TRANSPORTATION & PUBLIC UTILITIES	19,900	6.1%	22,900	6.0%
TRADE	72,700	22.3%	80,300	21.0%
FINANCE, INSURANCE, & REAL ESTATE	28,500	8.8%	29,600	7.7%
SERVICES	106,300	32.7%	133,900	35.0%
GOVERNMENT	47,200	14.5%	55,800	14.6%

- (1) Employment and projections contained in these tables are considered estimates (see introduction for a full explanation of data limitations). Employment is reported by place of work and excludes self-employed persons, unpaid family workers, domestics, volunteers, and those involved in labor-management trade disputes. These data are based on 1987 Standard Industrial Classifications. Annual average industry detail may not add up to totals due to independent rounding. Government data include all civilian government employees regardless of the activities in which they are engaged.
- (2) March 2000 benchmark.

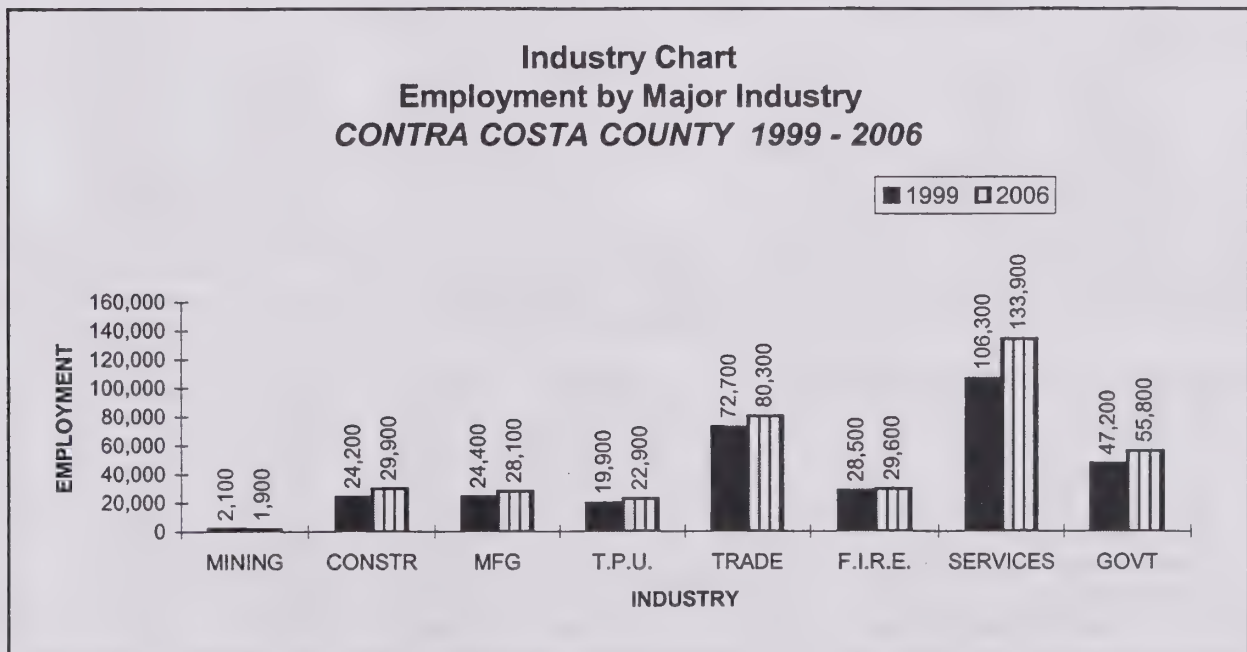


Table 2
Industry Employment Projections (1)
1999 - 2006
CONTRA COSTA COUNTY

INDUSTRY	SIC	ANNUAL AVERAGES		ABSOLUTE CHANGE	PERCENT CHANGE
		1999 (2)	2006		
TOTAL NONFARM	074, 075, 078, 10-99 except 88	325,300	382,300	57,000	17.5%
GOODS PRODUCING	10-39	50,700	59,900	9,200	18.1%
MINING	10-14	2,100	1,900	-200	-9.5%
CONSTRUCTION	15-17	24,200	29,900	5,700	23.6%
General Building Contractors	15	7,300	9,000	1,700	23.3%
Heavy Construction	16	3,400	4,000	600	17.6%
Special Trade	17	13,400	16,900	3,500	26.1%
MANUFACTURING	20-39	24,400	28,100	3,700	15.2%
Durable Goods	24,25,32-39	9,100	11,500	2,400	26.4%
Lumber, Wood, & Furniture	24,25	700	800	100	14.3%
Stone, Clay, & Glass	32	600	700	100	16.7%
Primary & Fabricated Metal	33,34	2,500	2,400	-100	-4.0%
Industrial Machinery	35	800	800	0	0.0%
Computer & Office Equipment	357	200	200	0	0.0%
Other Industrial Machinery		600	600	0	0.0%
Electronic Equipment	36	1,500	2,600	1,100	73.3%
Comm.Equip., Elec. Compnts.	366,367	700	1,600	900	128.6%
Other Electronic Equipment		800	1,000	200	25.0%
Transportation Equipment	37	700	700	0	0.0%
Instruments & Related Prods.	38	2,100	3,100	1,000	47.6%
Miscellaneous Manufacturing	39	300	400	100	33.3%
Nondurable Goods	20-23,26-31	15,300	16,600	1,300	8.5%
Food & Kindred Products	20	1,800	1,900	100	5.6%
Paper & Allied Products	26	400	300	-100	-25.0%
Printing & Publishing	27	2,800	2,900	100	3.6%
Chemicals & Allied Products	28	3,000	3,300	300	10.0%
Petroleum & Coal Products	29	6,600	7,100	500	7.6%
Other Nondurable Goods		800	1,100	300	37.5%
SERVICE PRODUCING	074, 075, 078, 40-99 except 88	274,600	322,500	47,900	17.4%
TRANSPORTATION & PUBLIC UTILITIES	40-42,44-49	19,900	22,900	3,000	15.1%
Transportation	40-42,44-47	7,300	8,400	1,100	15.1%
Trucking & Warehousing	42	2,300	2,800	500	21.7%
Water Transportation	44	700	900	200	28.6%
Air Transportation	45	1,800	2,100	300	16.7%
Other Transportation		2,500	2,600	100	4.0%
Communications & Public Utilities	48,49	12,700	14,500	1,800	14.2%
Communications	48	9,800	11,400	1,600	16.3%
Electric, Gas & Sanitary Service	49	2,800	3,100	300	10.7%

Table 2
Industry Employment Projections (1)
1999 - 2006
CONTRA COSTA COUNTY

INDUSTRY	SIC	ANNUAL AVERAGES		ABSOLUTE CHANGE	PERCENT CHANGE
		1999 (2)	2006		
TRADE	50-59	72,700	80,300	7,600	10.5%
Wholesale Trade	50,51	12,100	12,800	700	5.8%
Whsl--Durable	50	6,800	7,100	300	4.4%
Whsl--Nondurable	51	5,300	5,700	400	7.5%
Retail Trade	52-59	60,600	67,500	6,900	11.4%
General Merchandise	53	7,000	7,500	500	7.1%
Food Stores	54	8,800	9,400	600	6.8%
Automotive Dealers & Service	55	5,800	6,300	500	8.6%
Eating & Drinking Places	58	19,900	22,600	2,700	13.6%
Other Retail Trade		19,200	21,700	2,500	13.0%
FINANCE, INSURANCE & REAL ESTATE	60-65,67	28,500	29,600	1,100	3.9%
Finance	60-62,67	15,700	16,200	500	3.2%
Other Fin., Ins. & Real Estate		12,800	13,400	600	4.7%
SERVICES	074, 075, 078, 70-89 except 88	106,300	133,900	27,600	26.0%
Hotels & Other Lodging Places	70	2,100	2,300	200	9.5%
Personal Services	72	3,400	4,100	700	20.6%
Business Services	73	29,700	39,700	10,000	33.7%
Health Services	80	25,000	30,200	5,200	20.8%
Private Educational Services	82	4,600	5,600	1,000	21.7%
Engineering & Management	87	11,800	14,800	3,000	25.4%
Other Services		29,800	37,200	7,400	24.8%
GOVERNMENT		47,200	55,800	8,600	18.2%
Federal Government		6,600	7,000	400	6.1%
State & Local Government		40,600	48,800	8,200	20.2%
State Government		900	2,100	1,200	133.3%
Local Government		39,700	46,700	7,000	17.6%
Local Education		23,700	29,300	5,600	23.6%
Local Noneducation		15,900	17,400	1,500	9.4%

- (1) Employment and projections contained in these tables are considered estimates (see introduction for a full explanation of data limitations). Employment is reported by place of work and excludes self-employed persons, unpaid family workers, domestics, volunteers, and those involved in labor-management trade disputes. These data are based on 1987 Standard Industrial Classifications. Annual average industry detail may not add up to totals due to independent rounding. Government data include all civilian government employees regardless of the activities in which they are engaged.
- (2) March 2000 benchmark.

Table 3
Employment by Major Occupational Group
1999 - 2006 Annual Averages
CONTRA COSTA COUNTY

OCCUPATIONAL GROUP	1999	PERCENT OF TOTAL	2006	PERCENT OF TOTAL	ABSOLUTE CHANGE	PERCENT CHANGE
TOTAL, ALL OCCUPATIONS (1)	325,300	100.0%	382,300	100.0%	57,000	17.5%
MANAGERS AND ADMIN OCCUPATIONS	24,950	7.7%	29,470	7.7%	4,520	18.1%
PROFESSIONAL, PARAPROF, TECHNICAL	78,610	24.2%	98,080	25.7%	19,470	24.8%
SALES AND RELATED OCCUPATIONS	39,830	12.2%	45,390	11.9%	5,560	14.0%
CLERICAL, ADMINISTRATIVE SUPPORT	61,180	18.8%	67,120	17.6%	5,940	9.7%
SERVICE OCCUPATIONS	46,260	14.2%	54,030	14.1%	7,770	16.8%
AGRICULTURAL, FORESTRY, FISHING	4,730	1.5%	5,870	1.5%	1,140	24.1%
PROD, CONST, OPER, MAT HANDLING	69,680	21.4%	82,280	21.5%	12,600	18.1%

(1) Total is based on the March 2000 benchmark.

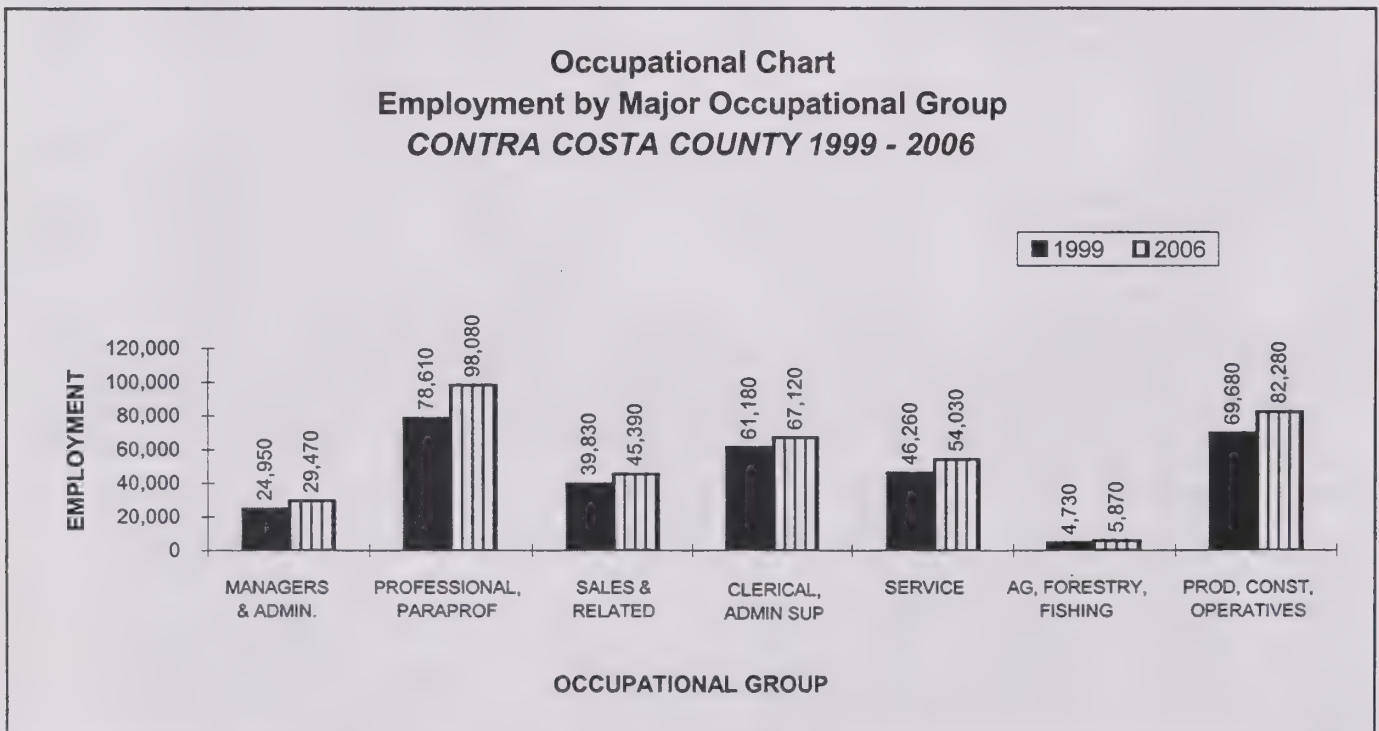


Table 4
Occupations With The Greatest Absolute Job Growth (1)
1999 - 2006
CONTRA COSTA COUNTY

CA OES CODE	OCCUPATION	ANNUAL AVERAGES		NUMBER OF NEW JOBS	PERCENT CHANGE	BLS TRAINING LEVEL	EDUCATION/EXPERIENCE
		1999(2)	2006				
31308	TEACHERS--SECONDARY SCHOOL	5,210	6,850	1,640	31.5	5	BACHELOR'S DEGREE
49011	SALESPERSONS, RETAIL	11,750	13,250	1,500	12.8	11	SHORT-TERM ON-THE-JOB TRAINING
19005	GENERAL MANAGERS, TOP EXECUTIVES	8,570	10,000	1,430	16.7	4	WORK EXP., PLUS A BACHELOR'S OR HIGHER
49023	CASHIERS	8,290	9,680	1,390	16.8	11	SHORT-TERM ON-THE-JOB TRAINING
25102	SYSTEMS ANALYSTS--ELEC DATA PROCESSING	2,160	3,430	1,270	58.8	5	BACHELOR'S DEGREE
31305	TEACHERS--ELEMENTARY SCHOOL	4,720	5,960	1,240	26.3	5	BACHELOR'S DEGREE
25104	COMPUTER SUPPORT SPECIALISTS	2,360	3,570	1,210	51.3	5	BACHELOR'S DEGREE
87102	CARPENTERS	5,370	6,580	1,210	22.5	9	LONG-TERM ON-THE-JOB TRAINING
55347	GENERAL OFFICE CLERKS	9,240	10,300	1,060	11.5	11	SHORT-TERM ON-THE-JOB TRAINING
32502	REGISTERED NURSES	4,530	5,460	930	20.5	6	ASSOCIATE DEGREE
79041	LABORERS, LANDSCAPING/GROUNDSKEEPING	3,780	4,690	910	24.1	11	SHORT-TERM ON-THE-JOB TRAINING
98902	HAND PACKERS AND PACKAGERS	2,250	3,040	790	35.1	11	SHORT-TERM ON-THE-JOB TRAINING
67005	JANITORS, CLEANERS--EXCEPT MAIDS	4,690	5,440	750	16.0	11	SHORT-TERM ON-THE-JOB TRAINING
22127	COMPUTER ENGINEERS	1,190	1,890	700	58.8	5	BACHELOR'S DEGREE
41002	FIRST-LINE SUP/MGR--SALES	4,320	5,000	680	15.7	8	WORK EXPERIENCE
55305	RECEPTIONISTS, INFORMATION CLERKS	4,300	4,980	680	15.8	11	SHORT-TERM ON-THE-JOB TRAINING
51002	FIRST-LINE SUP/MGR, CLERK, ADM SUP	4,540	5,160	620	13.7	8	WORK EXPERIENCE
97105	TRUCK DRIVERS, LIGHT	2,970	3,550	580	19.5	11	SHORT-TERM ON-THE-JOB TRAINING
65008	WAITERS AND WAITRESSES	4,360	4,920	560	12.8	11	SHORT-TERM ON-THE-JOB TRAINING
31521	TEACHER AIDES, PARAPROFESSIONAL	1,900	2,450	550	28.9	6	ASSOCIATE DEGREE
25105	COMPUTER PROGRAMMERS	2,900	3,430	530	18.3	5	BACHELOR'S DEGREE
13017	ENGINEER, MATH, AND NAT SCI MGRS	1,310	1,820	510	38.9	4	WORK EXP., PLUS A BACHELOR'S OR HIGHER
55108	SECRETARIES, GENERAL	6,310	6,790	480	7.6	7	POST-SECONDARY VOCATIONAL EDUCATION
68038	CHILD CARE WORKERS	1,420	1,900	480	33.8	11	SHORT-TERM ON-THE-JOB TRAINING
31303	TEACHERS, PRESCHOOL	1,530	2,000	470	30.7	5	BACHELOR'S DEGREE

Table 4
Occupations With The Greatest Absolute Job Growth (1)
1999 - 2006
CONTRA COSTA COUNTY

CA OES CODE	OCCUPATION	ANNUAL AVERAGES		NUMBER OF NEW JOBS	PERCENT CHANGE	BLS TRAINING LEVEL	EDUCATION/EXPERIENCE
		1999(2)	2006				
66008	NURSE AIDES, ORDERLIES, ATTENDANTS	2,210	2,680	470	21.3	11	SHORT-TERM ON-THE-JOB TRAINING
53905	TEACHER AIDES & EDUC ASSTS, CLERICAL	1,400	1,860	460	32.9	11	SHORT-TERM ON-THE-JOB TRAINING
63047	GUARDS AND WATCH GUARDS	1,750	2,210	460	26.3	11	SHORT-TERM ON-THE-JOB TRAINING
65041	COMBINED FOOD PREP AND SERVICE	3,890	4,320	430	11.1	11	SHORT-TERM ON-THE-JOB TRAINING
21114	ACCOUNTANTS AND AUDITORS	2,800	3,200	400	14.3	5	BACHELOR'S DEGREE
97102	TRUCK DRIVERS, HEAVY	2,120	2,510	390	18.4	11	SHORT-TERM ON-THE-JOB TRAINING
31321	INSTRUCTORS AND COACHES--SPORTS	1,310	1,680	370	28.2	10	MODERATE-TERM ON-THE-JOB TRAINING
87402	PAINTERS, PAPERHANGERS--CONSTRUCTION	1,430	1,800	370	25.9	10	MODERATE-TERM ON-THE-JOB TRAINING
65038	FOOD PREPARATION WORKERS	3,000	3,360	360	12.0	11	SHORT-TERM ON-THE-JOB TRAINING
22121	CIVIL ENGINEERS--INCLUDING TRAFFIC	1,000	1,340	340	34.0	5	BACHELOR'S DEGREE
22126	ELECT AND ELECTRONIC ENGINEERS	810	1,150	340	42.0	5	BACHELOR'S DEGREE
66002	DENTAL ASSISTANTS	1,160	1,500	340	29.3	10	MODERATE-TERM ON-THE-JOB TRAINING
13002	FINANCIAL MANAGERS	2,580	2,910	330	12.8	4	WORK EXP., PLUS A BACHELOR'S OR HIGHER
87202	ELECTRICIANS	1,510	1,840	330	21.9	9	LONG-TERM ON-THE-JOB TRAINING
85302	AUTOMOTIVE MECHANICS	2,160	2,480	320	14.8	9	LONG-TERM ON-THE-JOB TRAINING
31314	TEACHERS--VOC ED AND TRAINING	1,330	1,640	310	23.3	8	WORK EXPERIENCE
65026	COOKS--RESTAURANT	2,040	2,350	310	15.2	9	LONG-TERM ON-THE-JOB TRAINING
66005	MEDICAL ASSISTANTS	980	1,290	310	31.6	10	MODERATE-TERM ON-THE-JOB TRAINING
13011	MKTING, ADV, PUB-REL MANAGERS	1,550	1,850	300	19.4	4	WORK EXP., PLUS A BACHELOR'S OR HIGHER
49017	COUNTER AND RENTAL CLERKS	1,240	1,540	300	24.2	11	SHORT-TERM ON-THE-JOB TRAINING
58023	STOCK CLERKS--STOCKROOM, WAREHOUSE	2,170	2,470	300	13.8	11	SHORT-TERM ON-THE-JOB TRAINING
63014	POLICE PATROL OFFICERS	1,290	1,580	290	22.5	9	LONG-TERM ON-THE-JOB TRAINING
15005	EDUCATION ADMINISTRATORS	1,230	1,510	280	22.8	4	WORK EXP., PLUS A BACHELOR'S OR HIGHER
53123	ADJUSTMENT CLERKS	1,410	1,690	280	19.9	11	SHORT-TERM ON-THE-JOB TRAINING
85132	MAINT REPAIRERS, GENERAL UTILITY	2,530	2,810	280	11.1	9	LONG-TERM ON-THE-JOB TRAINING
TOTAL OF THESE OCCUPATIONS		154,870	185,710	30,840	19.9		

(1) Excludes not elsewhere classified (NEC) categories.

(2) March 2000 Benchmark

Table 5
Occupations With The Fastest Job Growth (1)
1999 - 2006
CONTRA COSTA COUNTY

CA OES CODE	OCCUPATION	ANNUAL AVERAGES		NUMBER OF NEW JOBS	PERCENT CHANGE	BLS TRAINING LEVEL	EDUCATION/EXPERIENCE
		1999(2)	2006				
25102	SYSTEMS ANALYSTS--ELEC DATA PROCESSING	2,160	3,430	1,270	58.8	5	BACHELOR'S DEGREE
22127	COMPUTER ENGINEERS	1,190	1,890	700	58.8	5	BACHELOR'S DEGREE
93114	ELECTRICAL EQUIP ASSEMBLERS--PRECISION	160	250	90	56.3	8	WORK EXPERIENCE
25104	COMPUTER SUPPORT SPECIALISTS	2,360	3,570	1,210	51.3	5	BACHELOR'S DEGREE
27308	HUMAN SERVICES WORKERS	370	530	160	43.2	10	MODERATE-TERM ON-THE-JOB TRAINING
22126	ELECT AND ELECTRONIC ENGINEERS	810	1,150	340	42.0	5	BACHELOR'S DEGREE
13017	ENGINEER, MATH, AND NAT SCI MGRS	1,310	1,820	510	38.9	4	WORK EXP., PLUS A BACHELOR'S OR HIGHER
68035	PERSONAL AND HOME CARE AIDES	380	520	140	36.8	11	SHORT-TERM ON-THE-JOB TRAINING
49026	TELEMARKETERS, SOLICITORS & RELATED	720	980	260	36.1	11	SHORT-TERM ON-THE-JOB TRAINING
98902	HAND PACKERS AND PACKAGERS	2,250	3,040	790	35.1	11	SHORT-TERM ON-THE-JOB TRAINING
24308	BIOLOGICAL SCIENTISTS	370	500	130	35.1	2	DOCTORAL DEGREE
87302	BRICKMASONS	200	270	70	35.0	9	LONG-TERM ON-THE-JOB TRAINING
87317	PLASTERERS AND STUCCO MASONS	230	310	80	34.8	9	LONG-TERM ON-THE-JOB TRAINING
22121	CIVIL ENGINEERS--INCLUDING TRAFFIC	1,000	1,340	340	34.0	5	BACHELOR'S DEGREE
68038	CHILD CARE WORKERS	1,420	1,900	480	33.8	11	SHORT-TERM ON-THE-JOB TRAINING
27307	RESIDENTIAL COUNSELORS	630	840	210	33.3	5	BACHELOR'S DEGREE
32911	MEDICAL RECORDS TECHNICIANS	150	200	50	33.3	6	ASSOCIATE DEGREE
53905	TEACHER AIDES & EDUC ASSTS, CLERICAL	1,400	1,860	460	32.9	11	SHORT-TERM ON-THE-JOB TRAINING
92974	PACKAGING, FILLING MACH OPS, TENDERS	520	690	170	32.7	10	MODERATE-TERM ON-THE-JOB TRAINING
24105	CHEMISTS, EXCEPT BIOCHEMISTS	250	330	80	32.0	5	BACHELOR'S DEGREE
66005	MEDICAL ASSISTANTS	980	1,290	310	31.6	10	MODERATE-TERM ON-THE-JOB TRAINING
32302	RESPIRATORY THERAPISTS	190	250	60	31.6	6	ASSOCIATE DEGREE
31308	TEACHERS--SECONDARY SCHOOL	5,210	6,850	1,640	31.5	5	BACHELOR'S DEGREE
87708	PAVING, TAMPING-EQUIP OPERATORS	160	210	50	31.3	10	MODERATE-TERM ON-THE-JOB TRAINING
27305	SOCIAL WKRS--EX MED, PSYCHIATRIC	740	970	230	31.1	5	BACHELOR'S DEGREE

Table 5
Occupations With The Fastest Job Growth (1)
1999 - 2006
CONTRA COSTA COUNTY

CA OES CODE	OCCUPATION	ANNUAL AVERAGES		NUMBER OF NEW JOBS	PERCENT CHANGE	BLS TRAINING LEVEL	EDUCATION/EXPERIENCE
		1999(2)	2006				
31303	TEACHERS, PRESCHOOL	1,530	2,000	470	30.7	5	BACHELOR'S DEGREE
22135	MECHANICAL ENGINEERS	360	470	110	30.6	5	BACHELOR'S DEGREE
66011	HOME HEALTH AIDES	460	600	140	30.4	11	SHORT-TERM ON-THE-JOB TRAINING
85123	MILLWRIGHTS	330	430	100	30.3	9	LONG-TERM ON-THE-JOB TRAINING
89132	SHEET METAL WORKERS	600	780	180	30.0	10	MODERATE-TERM ON-THE-JOB TRAINING
91321	MACH FORMING OPS,TENDRS--METAL, PLASTIC	340	440	100	29.4	10	MODERATE-TERM ON-THE-JOB TRAINING
68021	USHERS, LOBBY ATTENDANTS	170	220	50	29.4	11	SHORT-TERM ON-THE-JOB TRAINING
66002	DENTAL ASSISTANTS	1,160	1,500	340	29.3	10	MODERATE-TERM ON-THE-JOB TRAINING
15008	MEDICINE, HEALTH SERVICES MGRS	580	750	170	29.3	4	WORK EXP., PLUS A BACHELOR'S OR HIGHER
31521	TEACHER AIDES, PARAPROFESSIONAL	1,900	2,450	550	28.9	6	ASSOCIATE DEGREE
25103	DATA BASE ADMINISTRATORS	520	670	150	28.8	5	BACHELOR'S DEGREE
49034	DEMONSTRATORS AND PROMOTERS	210	270	60	28.6	10	MODERATE-TERM ON-THE-JOB TRAINING
31321	INSTRUCTORS AND COACHES--SPORTS	1,310	1,680	370	28.2	10	MODERATE-TERM ON-THE-JOB TRAINING
27302	SOCIAL WORKERS--MED, PSYCHIATRIC	430	550	120	27.9	3	MASTER'S DEGREE
31317	INSTRUCTORS--NON-VOC EDUCATION	360	460	100	27.8	8	WORK EXPERIENCE
98311	HELPERS--BRICK,STONE MASONS	180	230	50	27.8	11	SHORT-TERM ON-THE-JOB TRAINING
32908	DENTAL HYGIENISTS	620	790	170	27.4	6	ASSOCIATE DEGREE
83002	INSPECTORS,TESTERS,& GRADERS,PRECISION	260	330	70	26.9	8	WORK EXPERIENCE
31305	TEACHERS--ELEMENTARY SCHOOL	4,720	5,960	1,240	26.3	5	BACHELOR'S DEGREE
63047	GUARDS AND WATCH GUARDS	1,750	2,210	460	26.3	11	SHORT-TERM ON-THE-JOB TRAINING
49002	SALES ENGINEERS	190	240	50	26.3	5	BACHELOR'S DEGREE
87111	TAPERS	190	240	50	26.3	10	MODERATE-TERM ON-THE-JOB TRAINING
98312	HELPERS--CARPENTERS AND RELATED	460	580	120	26.1	11	SHORT-TERM ON-THE-JOB TRAINING
87402	PAINTERS, PAPERHANGERS--CONSTRUCTION	1,430	1,800	370	25.9	10	MODERATE-TERM ON-THE-JOB TRAINING
15017	CONSTRUCTION MANAGERS	810	1,020	210	25.9	5	BACHELOR'S DEGREE
TOTAL OF THESE OCCUPATIONS		46,030	61,660	15,630	34.0		

(1) Excludes not elsewhere classified (NEC) categories and occupations of less than 400 in 2006.

(2) March 2000 Benchmark

Table 6
Occupational Employment Projections (1)
1999 - 2006
CONTRA COSTA COUNTY

LINE #	CA OES CODE	OCCUPATION	ANNUAL AVERAGES		ABSOLUTE CHANGE	PERCENT CHANGE	OPENINGS DUE TO SEPARATIONS	BLS TRAINING LEVEL	EDUCATION/EXPERIENCE
			1999 (2)	2006					
1		TOTAL, ALL OCCUPATIONS	325,300	382,300	57,000	17.5	60,030		
2	10000	MGRS AND ADMIN OCCUPATIONS	24,950	29,470	4,520	18.1	3,320		
3	13002	FINANCIAL MANAGERS	2,580	2,910	330	12.8	300	4	WORK EXP., PLUS A BACHELOR'S OR HIGHER
4	13005	PERS, TRAINING, LABOR-REL MGRS	720	880	160	22.2	130	4	WORK EXP., PLUS A BACHELOR'S OR HIGHER
5	13008	PURCHASING MANAGERS	470	510	40	8.5	80	4	WORK EXP., PLUS A BACHELOR'S OR HIGHER
6	13011	MKTING, ADV, PUB-REL MANAGERS	1,550	1,850	300	19.4	160	4	WORK EXP., PLUS A BACHELOR'S OR HIGHER
7	13014	ADMINISTRATIVE SERVICES MANAGERS	1,340	1,580	240	17.9	180	4	WORK EXP., PLUS A BACHELOR'S OR HIGHER
8	13017	ENGINEER, MATH, AND NAT SCI MGRS	1,310	1,820	510	38.9	190	4	WORK EXP., PLUS A BACHELOR'S OR HIGHER
10	15005	EDUCATION ADMINISTRATORS	1,230	1,510	280	22.8	240	4	WORK EXP., PLUS A BACHELOR'S OR HIGHER
11	15008	MEDICINE, HEALTH SERVICES MGRS	580	750	170	29.3	80	4	WORK EXP., PLUS A BACHELOR'S OR HIGHER
12	15011	PROPERTY AND REAL ESTATE MANAGERS	480	500	20	4.2	50	5	BACHELOR'S DEGREE
13	15014	INDUSTRIAL PRODUCTION MANAGERS	380	440	60	15.8	50	5	BACHELOR'S DEGREE
14	15017	CONSTRUCTION MANAGERS	810	1,020	210	25.9	110	5	BACHELOR'S DEGREE
16	15023	COMM, TRANS, UTIL OPER MGRS	720	840	120	16.7	90	4	WORK EXP., PLUS A BACHELOR'S OR HIGHER
17	15026	FOOD SERVICE AND LODGING MANAGERS	640	720	80	12.5	80	8	WORK EXPERIENCE
19	15032	LAWN SERVICE MANAGER	130	150	20	15.4	10	8	WORK EXPERIENCE
20	19002	PUB ADMIN CHIEF EXECS, LEGISLATORS	60	70	10	16.7	10	4	WORK EXP., PLUS A BACHELOR'S OR HIGHER
21	19005	GENERAL MANAGERS, TOP EXECUTIVES	8,570	10,000	1,430	16.7	1,120	4	WORK EXP., PLUS A BACHELOR'S OR HIGHER
22	19999	MANAGERS AND ADMINISTRATORS, NEC	3,380	3,920	540	16.0	440	4	WORK EXP., PLUS A BACHELOR'S OR HIGHER
23	20000	PROFESSIONAL, PARAPROF, TECHNICAL	78,610	98,080	19,470	24.8	12,080		
24	21000	MANAGEMENT SUPPORT OCCUPATIONS	12,830	14,910	2,080	16.2	1,920		
25	21100	ACCOUNTANTS, AUDIT, FINANCE SPECS	5,640	6,430	790	14.0	790		
26	21102	INSURANCE UNDERWRITERS	270	280	10	3.7	50	5	BACHELOR'S DEGREE

Table 6
Occupational Employment Projections (1)
1999 - 2006
CONTRA COSTA COUNTY

LINE #	CA OES CODE	OCCUPATION	ANNUAL AVERAGES		ABSOLUTE CHANGE	PERCENT CHANGE	OPENINGS DUE TO SEPARATIONS	BLS TRAINING LEVEL	EDUCATION/EXPERIENCE
			1999 (2)	2006					
27	21105	CREDIT ANALYSTS	180	190	10	5.6	30	5	BACHELOR'S DEGREE
28	21108	LOAN OFFICERS AND COUNSELORS	1,050	1,200	150	14.3	170	5	BACHELOR'S DEGREE
29	21111	TAX PREPARERS	130	160	30	23.1	20	11	SHORT-TERM ON-THE-JOB TRAINING
30	21114	ACCOUNTANTS AND AUDITORS	2,800	3,200	400	14.3	320	5	BACHELOR'S DEGREE
31	21117	BUDGET ANALYSTS	170	200	30	17.6	30	5	BACHELOR'S DEGREE
32	21199	FINANCIAL SPECIALISTS, NEC	1,040	1,200	160	15.4	170	5	BACHELOR'S DEGREE
33	21300	PURCHASING AGENTS AND BUYERS	980	1,120	140	14.3	190		
34	21302	WHLE AND RET BUYERS--EX FARM PRODS	380	400	20	5.3	70	5	BACHELOR'S DEGREE
36	21308	PURCH AGTS--EX WHLE,RET,FARM PRODS	600	720	120	20.0	120	5	BACHELOR'S DEGREE
37	21500	PERS, TRAINING, LAB-REL SPECS	1,690	1,940	250	14.8	340		
39	21505	SPECIAL AGENTS--INSURANCE	220	230	10	4.5	40	4	WORK EXP., PLUS A BACHELOR'S OR HIGHER
40	21508	EMPL INTERVIEWERS--PRIV OR PUB	250	290	40	16.0	50	5	BACHELOR'S DEGREE
41	21511	PERS, TRAINING, LAB-REL SPECS, NEC	1,220	1,420	200	16.4	250	5	BACHELOR'S DEGREE
42	21900	OTHER MANAGEMENT SUPPORT WORKERS	4,520	5,420	900	19.9	600		
43	21902	COST ESTIMATORS	530	650	120	22.6	50	8	WORK EXPERIENCE
44	21905	MANAGEMENT ANALYSTS	460	570	110	23.9	30	3	MASTER'S DEGREE
45	21908	CONST AND BUILDING INSPECTORS	220	270	50	22.7	40	8	WORK EXPERIENCE
46	21911	COMPL, ENFORCE INSPECT--EX CONST	320	350	30	9.4	40	8	WORK EXPERIENCE
47	21914	TAX EXAMINERS, COLLECT, REV AGENTS	110	130	20	18.2	20	5	BACHELOR'S DEGREE
49	21921	CLAIMS EXAMINERS--INSURANCE	290	310	20	6.9	40	5	BACHELOR'S DEGREE
50	21999	MANAGEMENT SUPPORT WORKERS, NEC	2,590	3,140	550	21.2	380	5	BACHELOR'S DEGREE
51	22000	ENGINEERS, ARCHITECTS, SURVEYORS	8,680	11,340	2,660	30.6	1,380		
52	22100	ENGINEERS	5,230	7,200	1,970	37.7	800		
56	22111	PETROLEUM ENGINEERS	140	180	40	28.6	30	5	BACHELOR'S DEGREE
57	22114	CHEMICAL ENGINEERS	170	210	40	23.5	30	5	BACHELOR'S DEGREE
58	22117	NUCLEAR ENGINEERS	70	80	10	14.3	10	5	BACHELOR'S DEGREE

Table 6
Occupational Employment Projections (1)
1999 - 2006
CONTRA COSTA COUNTY

LINE #	CA OES CODE	OCCUPATION	ANNUAL AVERAGES		ABSOLUTE CHANGE	PERCENT CHANGE	OPENINGS DUE TO SEPARATIONS	BLS TRAINING LEVEL	EDUCATION/EXPERIENCE
			1999 (2)	2006					
59	22121	CIVIL ENGINEERS--INCLUDING TRAFFIC	1,000	1,340	340	34.0	160	5	BACHELOR'S DEGREE
61	22126	ELECT AND ELECTRONIC ENGINEERS	810	1,150	340	42.0	140	5	BACHELOR'S DEGREE
62	22127	COMPUTER ENGINEERS	1,190	1,890	700	58.8	60	5	BACHELOR'S DEGREE
63	22128	INDUST ENGINEERS--EXCEPT SAFETY	140	160	20	14.3	20	5	BACHELOR'S DEGREE
64	22132	SAFETY ENGINEERS--EXCEPT MINING	130	150	20	15.4	10	5	BACHELOR'S DEGREE
65	22135	MECHANICAL ENGINEERS	360	470	110	30.6	60	5	BACHELOR'S DEGREE
67	22199	ENGINEERS, NEC	1,220	1,570	350	28.7	280	5	BACHELOR'S DEGREE
68	22300	ARCHITECTS AND SURVEYORS	430	510	80	18.6	50		
69	22302	ARCHITECTS--EX LANDSCAPE, MARINE	350	420	70	20.0	40	5	BACHELOR'S DEGREE
72	22311	SURVEYING AND MAPPING SCIENTISTS	80	90	10	12.5	10	5	BACHELOR'S DEGREE
73	22500	ENGINEERING, RELATED TECHNICIANS	3,020	3,630	610	20.2	530		
74	22502	CIVIL ENGINEERING TECHNICIANS	220	270	50	22.7	40	6	ASSOCIATE DEGREE
75	22505	ELECT, ELECTRONIC ENGINEERING TECH	1,110	1,330	220	19.8	170	6	ASSOCIATE DEGREE
76	22508	INDUST ENGINEERING TECHS	100	110	10	10.0	20	6	ASSOCIATE DEGREE
77	22511	MECHANICAL ENGINEERING TECHS	120	150	30	25.0	20	6	ASSOCIATE DEGREE
78	22514	DRAFTERS	660	780	120	18.2	120	7	POST-SECONDARY VOCATIONAL EDUCATION
80	22521	SURVEYING AND MAPPING TECHS	130	170	40	30.8	20	7	POST-SECONDARY VOCATIONAL EDUCATION
81	22599	ENGINEERING, RELATED TECHS, NEC	680	820	140	20.6	140	6	ASSOCIATE DEGREE
82	24000	NAT SCIENTISTS AND RELATED WORKERS	2,040	2,500	460	22.5	350		
83	24100	PHYSICAL SCIENTISTS	710	920	210	29.6	130		
85	24105	CHEMISTS, EXCEPT BIOCHEMISTS	250	330	80	32.0	40	5	BACHELOR'S DEGREE
87	24111	GEOLOGIST, GEOPHYS, OCEANOGRAPHERS	140	190	50	35.7	30	5	BACHELOR'S DEGREE
88	24199	PHYSICAL SCIENTISTS, NEC	320	400	80	25.0	60	5	BACHELOR'S DEGREE
89	24300	LIFE SCIENTISTS	460	610	150	32.6	70		
92	24308	BIOLOGICAL SCIENTISTS	370	500	130	35.1	60	2	DOCTORAL DEGREE
94	24399	LIFE SCIENTISTS, NEC	90	110	20	22.2	10	2	DOCTORAL DEGREE

Table 6
Occupational Employment Projections (1)
1999 - 2006
CONTRA COSTA COUNTY

LINE #	CA OES CODE	OCCUPATION	ANNUAL AVERAGES		ABSOLUTE CHANGE	PERCENT CHANGE	OPENINGS DUE TO SEPARATIONS	BLS TRAINING LEVEL	EDUCATION/EXPERIENCE
			1999 (2)	2006					
95	24500	PHYSICAL, LIFE SCIENCE TECHS	870	970	100	11.5	150		
96	24502	BIOLOGICAL,AGRI, FOOD TECHS	120	140	20	16.7	20	6	ASSOCIATE DEGREE
97	24505	CHEM TECHS--EXCEPT HEALTH	220	250	30	13.6	40	6	ASSOCIATE DEGREE
99	24511	PETROLEUM TECHNICIANS & TECHNOLOGI	110	120	10	9.1	20	6	ASSOCIATE DEGREE
100	24599	PHYSICAL, LIFE SCIENCE TECHS, NEC	420	460	40	9.5	70	6	ASSOCIATE DEGREE
101	25000	COMPUTER, MATH, OPS RESRCH, RELATE	8,990	12,420	3,430	38.2	1,150		
102	25100	COMPUTER SCIENTISTS AND RELATED	8,450	11,860	3,410	40.4	1,050		
103	25102	SYSTEMS ANALYSTS--ELEC DATA PROC	2,160	3,430	1,270	58.8	120	5	BACHELOR'S DEGREE
104	25103	DATA BASE ADMINISTRATORS	520	670	150	28.8	70	5	BACHELOR'S DEGREE
105	25104	COMPUTER SUPPORT SPECIALISTS	2,360	3,570	1,210	51.3	120	5	BACHELOR'S DEGREE
106	25105	COMPUTER PROGRAMMERS	2,900	3,430	530	18.3	680	5	BACHELOR'S DEGREE
107	25108	COMPUTER PROGRAMMER AIDES	190	200	10	5.3	40	5	BACHELOR'S DEGREE
109	25199	COMPUTER SCIENTISTS, REL WRKRS,NEC	320	560	240	75.0	20	5	BACHELOR'S DEGREE
110	25300	MATH SCIENTISTS AND RELATED	540	560	20	3.7	100		
111	25302	OPS, SYS RESEARCHERS--EX COMPUTER	320	310	-10	-3.1	70	3	MASTER'S DEGREE
115	25315	FINANCIAL ANALYSTS, STATISTICAL	220	250	30	13.6	30	5	BACHELOR'S DEGREE
118	27000	SOCIAL SCI, RECREATION, RELIGIOUS	4,360	5,470	1,110	25.5	710		
119	27100	SOCIAL SCI--INCL URBAN, REG PLNERS	810	950	140	17.3	120		
120	27102	ECONOMISTS--INCL MKT RESRCH ANALYS	190	220	30	15.8	30	5	BACHELOR'S DEGREE
121	27105	URBAN AND REGIONAL PLANNERS	140	160	20	14.3	20	3	MASTER'S DEGREE
122	27108	PSYCHOLOGISTS	420	500	80	19.0	60	3	MASTER'S DEGREE
123	27199	SOCIAL SCIENTISTS, NEC	60	70	10	16.7	10	3	MASTER'S DEGREE

Table 6
Occupational Employment Projections (1)
1999 - 2006
CONTRA COSTA COUNTY

LINE #	CA OES CODE	OCCUPATION	ANNUAL AVERAGES		ABSOLUTE CHANGE	PERCENT CHANGE	OPENINGS DUE TO SEPARATIONS	BLS TRAINING LEVEL	EDUCATION/EXPERIENCE
			1999 (2)	2006					
124	27300	OTH SOCIAL SCIENCE RELATED WORKERS	3,360	4,270	910	27.1	560		
125	27302	SOCIAL WORKERS--MED, PSYCHIATRIC	430	550	120	27.9	40	3	MASTER'S DEGREE
126	27305	SOCIAL WKRS--EX MED, PSYCHIATRIC	740	970	230	31.1	80	5	BACHELOR'S DEGREE
127	27307	RESIDENTIAL COUNSELORS	630	840	210	33.3	120	5	BACHELOR'S DEGREE
128	27308	HUMAN SERVICES WORKERS	370	530	160	43.2	80	10	MODERATE-TERM ON-THE-JOB TRAINING
129	27311	RECREATION WORKERS	1,190	1,380	190	16.0	240	5	BACHELOR'S DEGREE
130	27500	RELIGIOUS WORKERS	190	250	60	31.6	30		
131	27502	CLERGY	140	180	40	28.6	20	1	FIRST PROFESSIONAL DEGREE
132	27505	DIRECTORS--RELIG ACTIVITIES, EDUC	50	70	20	40.0	10	5	BACHELOR'S DEGREE
134	28000	LAW AND RELATED OCCUPATIONS	1,940	2,110	170	8.8	150		
135	28100	LAWYERS AND RELATED WORKERS	1,300	1,420	120	9.2	120		
137	28105	ADJUDICATORS, JUDICIAL REVIEWERS	320	350	30	9.4	40	4	WORK EXP., PLUS A BACHELOR'S OR HIGHER
138	28108	LAWYERS	980	1,070	90	9.2	80	1	FIRST PROFESSIONAL DEGREE
139	28300	LEGAL ASSTS, TECHS, EX CLERICAL	640	690	50	7.8	30		
140	28302	LAW CLERKS	50	50	0	0.0	0	6	ASSOCIATE DEGREE
141	28305	PARALEGAL PERSONNEL	250	290	40	16.0	20	6	ASSOCIATE DEGREE
142	28308	TITLE SEARCHERS	80	70	-10	-12.5	0	10	MODERATE-TERM ON-THE-JOB TRAINING
143	28311	TITLE EXAMINERS AND ABSTRACTORS	80	70	-10	-12.5	0	10	MODERATE-TERM ON-THE-JOB TRAINING
144	28399	LEGAL ASSTS, TECHS--EX CLER, NEC	180	210	30	16.7	10	6	ASSOCIATE DEGREE
145	31000	TEACHERS, EDUCATORS, LIBRARIANS	20,660	26,290	5,630	27.3	3,480		
146	31100	POSTSECONDARY TEACHERS	1,030	1,180	150	14.6	210		
148	31114	NURSING INSTRUCTORS, POSTSECONDARY	60	70	10	16.7	10	3	MASTER'S DEGREE
149	31117	GRADUATE ASSISTANTS, TEACHING	60	70	10	16.7	10	3	MASTER'S DEGREE

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			1999 (2)	2006					
154	31209	PHYSICAL SCIENCE TEACHERS, POSTSEC	50	60	10	20.0	10	2	DOCTORAL DEGREE
158	31214	ENGLISH LANG & LIT TEACHERS, POSTS	150	170	20	13.3	30	2	DOCTORAL DEGREE
159	31215	FOREIGN LANG & LIT TEACHERS, POSTS	90	100	10	11.1	20	2	DOCTORAL DEGREE
160	31218	ART, DRAMA, MUSIC TEACHERS, POSTSE	140	150	10	7.1	30	2	DOCTORAL DEGREE
163	31224	MATHEMATICAL SCIENCES TEACHERS, PO	90	100	10	11.1	20	2	DOCTORAL DEGREE
164	31226	COMPUTER SCIENCE TEACHERS, POSTSEC	90	120	30	33.3	20	2	DOCTORAL DEGREE
183	31299	POSTSECONDARY TEACHERS, NEC	300	340	40	13.3	60	2	DOCTORAL DEGREE
184	31300	OTHER TEACHERS AND INSTRUCTORS	16,790	21,560	4,770	28.4	2,940		
185	31303	TEACHERS, PRESCHOOL	1,530	2,000	470	30.7	260	5	BACHELOR'S DEGREE
186	31304	TEACHERS, KINDERGARTEN	700	880	180	25.7	120	5	BACHELOR'S DEGREE
187	31305	TEACHERS--ELEMENTARY SCHOOL	4,720	5,960	1,240	26.3	850	5	BACHELOR'S DEGREE
188	31308	TEACHERS--SECONDARY SCHOOL	5,210	6,850	1,640	31.5	1,340	5	BACHELOR'S DEGREE
189	31311	TEACHERS--SPECIAL EDUCATION	950	1,180	230	24.2	60	5	BACHELOR'S DEGREE
190	31314	TEACHERS--VOC ED AND TRAINING	1,330	1,640	310	23.3	110	8	WORK EXPERIENCE
191	31317	INSTRUCTORS--NON-VOC EDUCATION	360	460	100	27.8	30	8	WORK EXPERIENCE
192	31321	INSTRUCTORS AND COACHES--SPORTS	1,310	1,680	370	28.2	110	10	MODERATE-TERM ON-THE-JOB TRAINING
194	31399	TEACHERS AND INSTRUCTORS, NEC	680	910	230	33.8	60	3	MASTER'S DEGREE
195	31500	LIBRARIANS, ARCHIVISTS AND RELATED	2,840	3,550	710	25.0	330		
196	31502	LIBRARIANS--PROFESSIONAL	210	230	20	9.5	40	3	MASTER'S DEGREE
197	31505	TECHNICAL ASSISTANTS--LIBRARY	160	200	40	25.0	40	11	SHORT-TERM ON-THE-JOB TRAINING
200	31514	VOCATIONAL & EDUCATIONAL COUNSELOR	440	500	60	13.6	70	3	MASTER'S DEGREE
201	31517	INSTRUCTIONAL COORDINATORS	130	170	40	30.8	10	5	BACHELOR'S DEGREE
202	31521	TEACHER AIDES, PARAPROFESSIONAL	1,900	2,450	550	28.9	170	6	ASSOCIATE DEGREE
203	32000	HEALTH PRACTITIONERS, TECHS, RELAT	12,370	14,880	2,510	20.3	1,750		
204	32100	HEALTH DIAGNOSING, TREATING	1,430	1,680	250	17.5	190		
205	32102	PHYSICIANS AND SURGEONS	890	1,080	190	21.3	110	1	FIRST PROFESSIONAL DEGREE
206	32105	DENTISTS	290	320	30	10.3	40	1	FIRST PROFESSIONAL DEGREE

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			1999 (2)	2006					
207	32108	OPTOMETRISTS	60	60	0	0.0	10	1	FIRST PROFESSIONAL DEGREE
208	32111	PODIATRISTS	70	70	0	0.0	10	1	FIRST PROFESSIONAL DEGREE
210	32114	VETS AND VETERINARY INSPECTORS	120	150	30	25.0	20	1	FIRST PROFESSIONAL DEGREE
212	32300	THERAPISTS	840	1,040	200	23.8	90		
213	32302	RESPIRATORY THERAPISTS	190	250	60	31.6	20	6	ASSOCIATE DEGREE
214	32305	OCCUPATIONAL THERAPISTS	120	150	30	25.0	10	5	BACHELOR'S DEGREE
215	32308	PHYSICAL THERAPISTS	370	450	80	21.6	40	5	BACHELOR'S DEGREE
217	32314	SPEECH PATHOLOGISTS, AUDIOLOGISTS	160	190	30	18.8	20	3	MASTER'S DEGREE
220	32500	HEALTH CARE MAINTENANCE, TREATING	7,050	8,380	1,330	18.9	990		
221	32502	REGISTERED NURSES	4,530	5,460	930	20.5	570	6	ASSOCIATE DEGREE
222	32505	LICENSED PRACTICAL NURSES	1,180	1,360	180	15.3	190	7	POST-SECONDARY VOCATIONAL EDUCATION
223	32508	EMERGENCY MEDICAL TECHNICIANS	100	120	20	20.0	20	7	POST-SECONDARY VOCATIONAL EDUCATION
224	32511	PHYSICIAN'S ASSISTANTS	170	210	40	23.5	20	5	BACHELOR'S DEGREE
225	32514	OPTICIANS--DISPENSING, MEASURING	150	170	20	13.3	10	9	LONG-TERM ON-THE-JOB TRAINING
226	32517	PHARMACISTS	500	560	60	12.0	100	5	BACHELOR'S DEGREE
227	32518	PHARMACY TECHNICIANS	300	350	50	16.7	60	10	MODERATE-TERM ON-THE-JOB TRAINING
228	32521	DIETITIANS AND NUTRITIONISTS	120	150	30	25.0	20	5	BACHELOR'S DEGREE
230	32900	OTHER HEALTH PROFS, PARAPROFS	3,050	3,780	730	23.9	480		
231	32902	MED, CLINICAL LAB TECHNOLOGISTS	370	430	60	16.2	30	5	BACHELOR'S DEGREE
232	32905	MED, CLINICAL LAB ASSISTANTS	240	280	40	16.7	20	6	ASSOCIATE DEGREE
233	32908	DENTAL HYGIENISTS	620	790	170	27.4	110	6	ASSOCIATE DEGREE
234	32911	MEDICAL RECORDS TECHNICIANS	150	200	50	33.3	30	6	ASSOCIATE DEGREE
235	32913	RADIATION THERAPISTS	70	90	20	28.6	10	6	ASSOCIATE DEGREE
237	32919	RADIOLOGIC TECHNOLOGISTS	300	340	40	13.3	30	6	ASSOCIATE DEGREE
239	32925	CARDIOLOGY TECHNOLOGISTS	50	60	10	20.0	10	6	ASSOCIATE DEGREE
241	32928	SURGICAL TECHNICIANS	90	110	20	22.2	20	7	POST-SECONDARY VOCATIONAL EDUCATION
242	32931	PSYCHIATRIC TECHNICIANS	90	100	10	11.1	10	6	ASSOCIATE DEGREE
243	32951	VETERINARY TECHNICIANS & TECHNOLOG	150	170	20	13.3	30	6	ASSOCIATE DEGREE
244	32999	HEALTH CARE PROFS, PARAPROFS, NEC	920	1,210	290	31.5	180	6	ASSOCIATE DEGREE

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			1999 (2)	2006					
245	34000	WRITERS, ARTISTS, ENTER, ATHLETES	2,220	2,670	450	20.3	340		
246	34002	WRITERS AND EDITORS	320	380	60	18.8	70	5	BACHELOR'S DEGREE
247	34005	TECHNICAL WRITERS & EDITORS	140	190	50	35.7	30	5	BACHELOR'S DEGREE
248	34008	PUB REL SPECS, PUBLICITY WRITERS	170	200	30	17.6	30	5	BACHELOR'S DEGREE
253	34023	PHOTOGRAPHERS	170	190	20	11.8	20	10	MODERATE-TERM ON-THE-JOB TRAINING
257	34035	ARTISTS AND RELATED WORKERS	360	440	80	22.2	60	4	WORK EXP., PLUS A BACHELOR'S OR HIGHER
258	34038	DESIGNERS, EX INTERIOR DESIGNERS	570	710	140	24.6	60	5	BACHELOR'S DEGREE
259	34041	INTERIOR DESIGNERS	80	90	10	12.5	10	5	BACHELOR'S DEGREE
260	34044	MERCH DISPLAYERS, WINDOW TRIMMERS	90	100	10	11.1	10	5	BACHELOR'S DEGREE
261	34047	MUSIC DIRECTORS, SINGERS, COMPOSERS	200	230	30	15.0	30	9	LONG-TERM ON-THE-JOB TRAINING
262	34051	MUSICIANS--INSTRUMENTAL	120	140	20	16.7	20	9	LONG-TERM ON-THE-JOB TRAINING
266	39000	MISC PROFS, PARAPROFS, TECHNICAL	4,520	5,490	970	21.5	850		
267	39002	AIR DISPATCHERS, AIR TRAFFIC CONTR	200	200	0	0.0	40	9	LONG-TERM ON-THE-JOB TRAINING
272	39999	OTHER PROF, PARAPROF, TECHNICAL	4,320	5,290	970	22.5	810	5	BACHELOR'S DEGREE
273	40000	SALES AND RELATED OCCUPATIONS	39,830	45,390	5,560	14.0	9,040		
274	41000	FIRST-LINE SUP/MGR--SALES	4,320	5,000	680	15.7	420		
275	41002	FIRST-LINE SUP/MGR--SALES	4,320	5,000	680	15.7	420	8	WORK EXPERIENCE
276	43000	SALES AGENTS--SERVICE	3,670	4,210	540	14.7	540		
277	43002	SALES AGENTS, PLACERS--INSURANCE	640	660	20	3.1	100	9	LONG-TERM ON-THE-JOB TRAINING
278	43005	BROKERS--REAL ESTATE	150	160	10	6.7	20	8	WORK EXPERIENCE
279	43008	SALES AGENTS--REAL ESTATE	210	220	10	4.8	30	7	POST-SECONDARY VOCATIONAL EDUCATION
280	43011	APPRAISERS--REAL ESTATE	90	90	0	0.0	10	8	WORK EXPERIENCE

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			1999 (2)	2006					
281	43014	SALES AGENTS--FINANCIAL SERVICES	800	970	170	21.2	50	9	LONG-TERM ON-THE-JOB TRAINING
282	43017	SALES AGENTS--SEL BUS SERVICES	830	1,040	210	25.3	130	10	MODERATE-TERM ON-THE-JOB TRAINING
283	43021	TRAVEL AGENTS	260	270	10	3.8	40	7	POST-SECONDARY VOCATIONAL EDUCATION
284	43023	SALES AGENTS--ADVERTISING	400	460	60	15.0	80	10	MODERATE-TERM ON-THE-JOB TRAINING
285	43099	SALES REPS, SERVICE--NEC	290	340	50	17.2	80	10	MODERATE-TERM ON-THE-JOB TRAINING
286	49000	MERCH, PRODUCTS AND OTHER SALES	31,840	36,180	4,340	13.6	8,080		
287	49002	SALES ENGINEERS	190	240	50	26.3	30	5	BACHELOR'S DEGREE
288	49005	SALES REPS, SCIENTIFIC--EX RETAIL	1,140	1,300	160	14.0	210	10	MODERATE-TERM ON-THE-JOB TRAINING
289	49008	SALES REPS, NON-SCIENTIFIC EX RET	2,210	2,410	200	9.0	390	10	MODERATE-TERM ON-THE-JOB TRAINING
290	49011	SALESPERSONS, RETAIL	11,750	13,250	1,500	12.8	3,020	11	SHORT-TERM ON-THE-JOB TRAINING
291	49014	SALESPERSONS--PARTS	670	680	10	1.5	140	10	MODERATE-TERM ON-THE-JOB TRAINING
292	49017	COUNTER AND RENTAL CLERKS	1,240	1,540	300	24.2	430	11	SHORT-TERM ON-THE-JOB TRAINING
293	49021	STOCK CLERKS--SALES FLOOR	3,790	3,950	160	4.2	400	11	SHORT-TERM ON-THE-JOB TRAINING
294	49023	CASHIERS	8,290	9,680	1,390	16.8	2,860	11	SHORT-TERM ON-THE-JOB TRAINING
295	49026	TELEMARKETERS, SOLICITORS & RELATE	720	980	260	36.1	160	11	SHORT-TERM ON-THE-JOB TRAINING
296	49034	DEMONSTRATORS AND PROMOTERS	210	270	60	28.6	50	10	MODERATE-TERM ON-THE-JOB TRAINING
298	49999	SALES AND RELATED WORKERS, NEC	1,630	1,880	250	15.3	390	10	MODERATE-TERM ON-THE-JOB TRAINING
299	50000	CLERICAL, ADMINISTRATIVE SUPPORT	61,180	67,120	5,940	9.7	9,490		
300	51000	FIRST-LINE SUP/MGR, CLERL, ADM SUP	4,540	5,160	620	13.7	750		
301	51002	FIRST-LINE SUP/MGR, CLERL, ADM SUP	4,540	5,160	620	13.7	750	8	WORK EXPERIENCE
302	53000	INDUSTRY SPECIFIC CLERICAL, ADMIN	10,340	11,380	1,040	10.1	1,720		
303	53100	BANKING, SECURITY, FINANCE, CREDIT	5,680	5,860	180	3.2	1,010		
304	53102	TELLERS	2,480	2,290	-190	-7.7	730	11	SHORT-TERM ON-THE-JOB TRAINING

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			1999 (2)	2006					
305	53105	NEW ACCOUNTS CLERKS	440	460	20	4.5	100	8	WORK EXPERIENCE
306	53108	TRANSIT CLERKS	90	70	-20	-22.2	20	11	SHORT-TERM ON-THE-JOB TRAINING
309	53117	CREDIT CHECKERS	80	90	10	12.5	0	11	SHORT-TERM ON-THE-JOB TRAINING
310	53121	LOAN AND CREDIT CLERKS	890	950	60	6.7	70	11	SHORT-TERM ON-THE-JOB TRAINING
311	53123	ADJUSTMENT CLERKS	1,410	1,690	280	19.9	70	11	SHORT-TERM ON-THE-JOB TRAINING
312	53126	STATEMENT CLERKS	50	40	-10	-20.0	0	11	SHORT-TERM ON-THE-JOB TRAINING
313	53128	BROKERAGE CLERKS	240	270	30	12.5	20	11	SHORT-TERM ON-THE-JOB TRAINING
314	53300	INSURANCE WORKERS	1,480	1,600	120	8.1	160		
315	53302	INS ADJUST, EXAMIN, INVESTIGATORS	430	490	60	14.0	50	9	LONG-TERM ON-THE-JOB TRAINING
316	53305	INSURANCE APPRAISERS--AUTO DAMAGE	60	60	0	0.0	10	10	MODERATE-TERM ON-THE-JOB TRAINING
318	53311	INSURANCE CLAIMS CLERKS	370	400	30	8.1	40	10	MODERATE-TERM ON-THE-JOB TRAINING
319	53314	INSURANCE POLICY PROCESSING CLERKS	620	650	30	4.8	60	10	MODERATE-TERM ON-THE-JOB TRAINING
320	53500	INVESTIGATIVE, RELATED, EX INSUR	930	1,130	200	21.5	190		
321	53502	WELFARE ELIG WORKERS, INTERVIEWERS	170	180	10	5.9	30	10	MODERATE-TERM ON-THE-JOB TRAINING
323	53508	BILL AND ACCOUNT COLLECTORS	760	950	190	25.0	160	11	SHORT-TERM ON-THE-JOB TRAINING
328	53800	LODGING AND TRAVEL WORKERS	290	320	30	10.3	70		
330	53805	RESERVATION, TRANS TICKET AGENTS	90	100	10	11.1	10	11	SHORT-TERM ON-THE-JOB TRAINING
331	53808	HOTEL DESK CLERKS	200	220	20	10.0	60	11	SHORT-TERM ON-THE-JOB TRAINING
332	53900	MISC INDUSTRY SPECIFIC CLERICAL	1,960	2,470	510	26.0	290		
333	53902	LIBRARY ASSTS & BOOKMOBILE DRIVERS	300	350	50	16.7	110	11	SHORT-TERM ON-THE-JOB TRAINING
334	53905	TEACHER AIDES & EDUC ASSTS, CLERIC	1,400	1,860	460	32.9	130	11	SHORT-TERM ON-THE-JOB TRAINING
335	53908	ADVERTISING CLERKS	60	60	0	0.0	10	11	SHORT-TERM ON-THE-JOB TRAINING
336	53911	PROOFREADERS AND COPY MARKERS	110	110	0	0.0	20	11	SHORT-TERM ON-THE-JOB TRAINING
337	53914	REAL ESTATE CLERKS	90	90	0	0.0	20	11	SHORT-TERM ON-THE-JOB TRAINING
338	55000	SECRETARIAL, GENERAL OFFICE OCCS	32,350	35,430	3,080	9.5	5,190		

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			1999 (2)	2006					
339	55100	SECRETARIES	7,550	8,100	550	7.3	890		
340	55102	SECRETARIES, LEGAL	660	700	40	6.1	80	7	POST-SECONDARY VOCATIONAL EDUCATION
341	55105	SECRETARIES, MEDICAL	580	610	30	5.2	70	7	POST-SECONDARY VOCATIONAL EDUCATION
342	55108	SECRETARIES, GENERAL	6,310	6,790	480	7.6	740	7	POST-SECONDARY VOCATIONAL EDUCATION
343	55300	MISC SECRETARIAL, GENL OFF OCCS	24,800	27,330	2,530	10.2	4,300		
344	55302	STENOGRAPHERS AND/OR COURT REPORTE	60	70	10	16.7	10	7	POST-SECONDARY VOCATIONAL EDUCATION
345	55305	RECEPTIONISTS, INFORMATION CLERKS	4,300	4,980	680	15.8	630	11	SHORT-TERM ON-THE-JOB TRAINING
346	55307	TYPISTS, INCLUDING WORD PROCESSING	1,100	1,090	-10	-0.9	150	10	MODERATE-TERM ON-THE-JOB TRAINING
347	55314	PERS CLERKS--EX PAYROLL	360	390	30	8.3	50	11	SHORT-TERM ON-THE-JOB TRAINING
349	55321	FILE CLERKS	850	910	60	7.1	220	11	SHORT-TERM ON-THE-JOB TRAINING
350	55323	ORDER CLERKS--MATERIALS, SERVICE	1,110	1,210	100	9.0	190	11	SHORT-TERM ON-THE-JOB TRAINING
351	55326	PROCUREMENT CLERKS	120	120	0	0.0	10	11	SHORT-TERM ON-THE-JOB TRAINING
352	55328	STATISTICAL CLERKS	160	160	0	0.0	20	10	MODERATE-TERM ON-THE-JOB TRAINING
353	55332	INTERVIEW CLERKS--EX PERS, WELFARE	480	580	100	20.8	120	11	SHORT-TERM ON-THE-JOB TRAINING
354	55335	CUSTOMER SERVICE REPS--UTILITIES	830	950	120	14.5	150	11	SHORT-TERM ON-THE-JOB TRAINING
355	55338	BOOKKEEPING, ACCOUNTING CLERKS	4,820	5,060	240	5.0	640	10	MODERATE-TERM ON-THE-JOB TRAINING
356	55341	PAYROLL AND TIMEKEEPING CLERKS	500	510	10	2.0	70	11	SHORT-TERM ON-THE-JOB TRAINING
357	55344	BILLING, COST, AND RATE CLERKS	870	1,000	130	14.9	130	11	SHORT-TERM ON-THE-JOB TRAINING
358	55347	GENERAL OFFICE CLERKS	9,240	10,300	1,060	11.5	1,910	11	SHORT-TERM ON-THE-JOB TRAINING
359	56000	EDP AND OFFICE MACHINE OCCUPATIONS	2,150	2,190	40	1.9	240		
360	56002	BILLING, POSTING, CALC MACHINE OPS	240	230	-10	-4.2	30	11	SHORT-TERM ON-THE-JOB TRAINING
361	56005	DUPLICATING MACHINE OPERATORS	150	180	30	20.0	40	11	SHORT-TERM ON-THE-JOB TRAINING
362	56008	MAIL MACH OPS--PREP AND HANDLING	110	110	0	0.0	20	11	SHORT-TERM ON-THE-JOB TRAINING
363	56011	COMPUTER OPS--EX PERIPHERAL EQUIP	420	380	-40	-9.5	40	10	MODERATE-TERM ON-THE-JOB TRAINING
365	56017	DATA ENTRY KEYERS--EX COMPOSING	930	1,010	80	8.6	50	7	POST-SECONDARY VOCATIONAL EDUCATION
367	56099	OFFICE MACHINE OPERATORS, NEC	300	280	-20	-6.7	60	11	SHORT-TERM ON-THE-JOB TRAINING

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			1999 (2)	2006					
368	57000	COMMUNICATIONS, MAIL DISTRIBUTION	2,930	3,080	150	5.1	510		
369	57100	COMMUNICATION EQUIPMENT OPERATORS	1,040	920	-120	-11.5	160		
370	57102	SWITCHBOARD OPERATORS	370	360	-10	-2.7	60	11	SHORT-TERM ON-THE-JOB TRAINING
371	57105	DIRECTORY ASSISTANCE OPERATORS	60	40	-20	-33.3	10	10	MODERATE-TERM ON-THE-JOB TRAINING
372	57108	CENTRAL OFFICE OPERATORS	460	390	-70	-15.2	70	10	MODERATE-TERM ON-THE-JOB TRAINING
374	57199	COMMUNICATION EQUIP OPERATORS, NEC	150	130	-20	-13.3	20	10	MODERATE-TERM ON-THE-JOB TRAINING
375	57300	MAIL, MESSAGE DISTRIBUTION WORKERS	1,890	2,160	270	14.3	350		
376	57302	MAIL CLKS-EX MAIL MACH OPS, POSTAL	240	260	20	8.3	40	11	SHORT-TERM ON-THE-JOB TRAINING
377	57305	POSTAL MAIL CARRIERS	1,150	1,330	180	15.7	240	11	SHORT-TERM ON-THE-JOB TRAINING
378	57308	POSTAL SERVICE CLERKS	390	450	60	15.4	50	11	SHORT-TERM ON-THE-JOB TRAINING
379	57311	MESSENGERS	110	120	10	9.1	20	11	SHORT-TERM ON-THE-JOB TRAINING
380	58000	MATERIAL RECORDING, DISPATCHING	6,800	7,530	730	10.7	840		
381	58002	DISPATCH--POLICE, FIRE, AMBULANCE	190	220	30	15.8	20	10	MODERATE-TERM ON-THE-JOB TRAINING
382	58005	DISPATCH--EX POLICE, FIRE, AMBUL	420	480	60	14.3	50	10	MODERATE-TERM ON-THE-JOB TRAINING
383	58008	PROD, PLANNING, EXPEDITING CLERKS	560	610	50	8.9	50	11	SHORT-TERM ON-THE-JOB TRAINING
385	58014	METER READERS--UTILITIES	110	130	20	18.2	20	11	SHORT-TERM ON-THE-JOB TRAINING
388	58023	STOCK CLERKS--STOCKROOM, WAREHOUSE	2,170	2,470	300	13.8	240	11	SHORT-TERM ON-THE-JOB TRAINING
389	58026	ORDER FILLERS--WHLE & RET SALES	460	500	40	8.7	80	11	SHORT-TERM ON-THE-JOB TRAINING
390	58028	TRAFFIC, SHIPPING, RECEIVING CLKS	2,540	2,730	190	7.5	310	11	SHORT-TERM ON-THE-JOB TRAINING
391	58099	MATERIAL RECORDING, RELATED, NEC	350	390	40	11.4	70	11	SHORT-TERM ON-THE-JOB TRAINING
392	59000	CLERICAL, ADMIN SUPPORT, NEC	2,070	2,350	280	13.5	240	11	SHORT-TERM ON-THE-JOB TRAINING

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			1999 (2)	2006					
394	60000	SERVICE OCCUPATIONS	46,260	54,030	7,770	16.8	11,770		
395	61000	FIRST-LINE SUP/MGR--SERVICE	2,260	2,660	400	17.7	430		
396	61002	FIRE FIGHTING & PREVENTION SUPS	260	290	30	11.5	60	8	WORK EXPERIENCE
397	61005	POLICE AND DETECTIVE SUPERVISORS	280	310	30	10.7	60	8	WORK EXPERIENCE
398	61008	HOUSEKEEPING SUPERVISORS	150	170	20	13.3	30	8	WORK EXPERIENCE
399	61099	FIRST-LINE SUP/MGR SERV WKRS, NEC	1,570	1,890	320	20.4	280	8	WORK EXPERIENCE
400	63000	PROTECTIVE SERVICE OCCUPATIONS	5,630	6,870	1,240	22.0	1,360		
401	63002	FIRE INSPECTORS	70	80	10	14.3	10	8	WORK EXPERIENCE
403	63008	FIRE FIGHTERS	820	950	130	15.9	150	9	LONG-TERM ON-THE-JOB TRAINING
404	63011	POLICE DETECTIVES	150	180	30	20.0	30	8	WORK EXPERIENCE
405	63014	POLICE PATROL OFFICERS	1,290	1,580	290	22.5	270	9	LONG-TERM ON-THE-JOB TRAINING
406	63017	CORRECTION OFFICERS, JAILERS	210	250	40	19.0	40	9	LONG-TERM ON-THE-JOB TRAINING
411	63032	SHERIFFS AND DEPUTY SHERIFFS	270	340	70	25.9	20	9	LONG-TERM ON-THE-JOB TRAINING
412	63035	DETECTIVES, INVESTIGATORS--EX PUB	190	220	30	15.8	40	10	MODERATE-TERM ON-THE-JOB TRAINING
415	63044	CROSSING GUARDS	150	180	30	20.0	30	11	SHORT-TERM ON-THE-JOB TRAINING
416	63047	GUARDS AND WATCH GUARDS	1,750	2,210	460	26.3	350	11	SHORT-TERM ON-THE-JOB TRAINING
417	63099	PROTECTIVE SERVICE WORKERS, NEC	730	880	150	20.5	420	11	SHORT-TERM ON-THE-JOB TRAINING
418	65000	FOOD, BEV PREP AND SERVICE OCCS	21,060	23,490	2,430	11.5	7,360		
419	65002	HOSTS, HOSTESSES--RESTAURANTS	840	960	120	14.3	190	11	SHORT-TERM ON-THE-JOB TRAINING
420	65005	BARTENDERS	1,050	1,090	40	3.8	320	11	SHORT-TERM ON-THE-JOB TRAINING
421	65008	WAITERS AND WAITRESSES	4,360	4,920	560	12.8	1,810	11	SHORT-TERM ON-THE-JOB TRAINING

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			1999 (2)	2006					
422	65011	FOOD SERVERS--OUTSIDE	110	130	20	18.2	80	11	SHORT-TERM ON-THE-JOB TRAINING
423	65014	DINING RM ATTENDANTS, BAR HELPERS	900	940	40	4.4	210	11	SHORT-TERM ON-THE-JOB TRAINING
424	65017	COUNTER ATTENDANTS--FOOD	1,000	1,110	110	11.0	670	11	SHORT-TERM ON-THE-JOB TRAINING
425	65021	BAKERS--BREAD AND PASTRY	530	600	70	13.2	110	10	MODERATE-TERM ON-THE-JOB TRAINING
426	65023	BUTCHERS AND MEAT CUTTERS	390	370	-20	-5.1	60	9	LONG-TERM ON-THE-JOB TRAINING
427	65026	COOKS--RESTAURANT	2,040	2,350	310	15.2	410	9	LONG-TERM ON-THE-JOB TRAINING
428	65028	COOKS--INSTITUTION OR CAFETERIA	580	660	80	13.8	120	9	LONG-TERM ON-THE-JOB TRAINING
429	65032	COOKS--SPECIALTY FAST FOOD	1,310	1,500	190	14.5	270	11	SHORT-TERM ON-THE-JOB TRAINING
430	65035	COOKS--SHORT ORDER	460	530	70	15.2	90	11	SHORT-TERM ON-THE-JOB TRAINING
431	65038	FOOD PREPARATION WORKERS	3,000	3,360	360	12.0	1,240	11	SHORT-TERM ON-THE-JOB TRAINING
432	65041	COMBINED FOOD PREP AND SERVICE	3,890	4,320	430	11.1	1,600	11	SHORT-TERM ON-THE-JOB TRAINING
433	65099	FOOD SERVICE WORKERS, NEC	600	650	50	8.3	180	11	SHORT-TERM ON-THE-JOB TRAINING
434	66000	HEALTH SERVICE, RELATED OCCS	5,370	6,740	1,370	25.5	730		
435	66002	DENTAL ASSISTANTS	1,160	1,500	340	29.3	140	10	MODERATE-TERM ON-THE-JOB TRAINING
436	66005	MEDICAL ASSISTANTS	980	1,290	310	31.6	200	10	MODERATE-TERM ON-THE-JOB TRAINING
437	66008	NURSE AIDES, ORDERLIES, ATTENDANTS	2,210	2,680	470	21.3	240	11	SHORT-TERM ON-THE-JOB TRAINING
438	66011	HOME HEALTH AIDES	460	600	140	30.4	50	11	SHORT-TERM ON-THE-JOB TRAINING
439	66014	PSYCHIATRIC AIDES	90	100	10	11.1	10	11	SHORT-TERM ON-THE-JOB TRAINING
440	66017	PHYSICAL THERAPY ASSISTANTS & AIDE	110	140	30	27.3	20	10	MODERATE-TERM ON-THE-JOB TRAINING
443	66026	PHARMACY AIDES	160	190	30	18.8	30	11	SHORT-TERM ON-THE-JOB TRAINING
444	66099	HEALTH SERVICE WORKERS, NEC	200	240	40	20.0	40	11	SHORT-TERM ON-THE-JOB TRAINING
445	67000	CLEANING, BLDING SERV EX PRIV HOUS	6,790	7,790	1,000	14.7	1,080		
446	67002	MAIDS AND HOUSEKEEPING CLEANERS	1,520	1,710	190	12.5	210	11	SHORT-TERM ON-THE-JOB TRAINING
447	67005	JANITORS, CLEANERS--EXCEPT MAIDS	4,690	5,440	750	16.0	780	11	SHORT-TERM ON-THE-JOB TRAINING
448	67008	PEST CONTROLLERS AND ASSISTANTS	70	80	10	14.3	10	10	MODERATE-TERM ON-THE-JOB TRAINING
450	67099	CLEANING, BLDING SERV--EX PH, NEC	510	560	50	9.8	80	11	SHORT-TERM ON-THE-JOB TRAINING

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			1999 (2)	2006					
451	68000	MISC PERSONAL SERVICE OCCUPATIONS	3,930	5,020	1,090	27.7	560		
453	68005	HAIRDRESSERS, HAIRSTYLISTS	910	1,080	170	18.7	180	7	POST-SECONDARY VOCATIONAL EDUCATION
456	68014	AMUSEMENT, RECREATION ATTENDANTS	1,050	1,300	250	23.8	160	11	SHORT-TERM ON-THE-JOB TRAINING
458	68021	USHERS, LOBBY ATTENDANTS	170	220	50	29.4	30	11	SHORT-TERM ON-THE-JOB TRAINING
463	68035	PERSONAL AND HOME CARE AIDES	380	520	140	36.8	80	11	SHORT-TERM ON-THE-JOB TRAINING
464	68038	CHILD CARE WORKERS	1,420	1,900	480	33.8	110	11	SHORT-TERM ON-THE-JOB TRAINING
466	69000	MISC SERVICE WORKERS	1,220	1,460	240	19.7	250	8	WORK EXPERIENCE
468	70000	AGRICULTURAL, FORESTRY, FISHING	4,730	5,870	1,140	24.1	1,060		
469	72000	FIRST-LINE SUP/MGR--AG, FOR, FISH	100	130	30	30.0	10		
470	72002	FIRST-LINE SUPERVISORS - AGRICULTU	100	130	30	30.0	10	8	WORK EXPERIENCE
477	79000	MISC AG, FORESTRY, FISHING	4,630	5,740	1,110	24.0	1,050		
483	79017	ANIMAL CARETAKERS--EXCEPT FARM	210	260	50	23.8	20	11	SHORT-TERM ON-THE-JOB TRAINING
485	79033	PRUNERS	150	190	40	26.7	40	11	SHORT-TERM ON-THE-JOB TRAINING
487	79041	LABORERS, LANDSCAPING/GROUNDSKEEPI	3,780	4,690	910	24.1	900	11	SHORT-TERM ON-THE-JOB TRAINING
488	79806	VETERINARY ASSISTANTS	210	240	30	14.3	20	11	SHORT-TERM ON-THE-JOB TRAINING
491	79999	AG, FORESTRY, FISHING--NEC	280	360	80	28.6	70	11	SHORT-TERM ON-THE-JOB TRAINING
492	80000	PROD, CONST, OPER, MAT HANDLING	69,680	82,280	12,600	18.1	13,270		
493	81000	FIRST-LINE SUP/MGR-BLUE COLLAR	4,050	4,640	590	14.6	830		

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			1999 (2)	2006					
494	81002	FIRST-LINE SUP/MGR-MECH, REPAIRERS	1,000	1,070	70	7.0	210	8	WORK EXPERIENCE
495	81005	FIRST-LINE SUP/MGR-CONSTRUCTION	960	1,190	230	24.0	200	8	WORK EXPERIENCE
496	81008	FIRST-LINE SUP/MGR-PRODUCTION	720	840	120	16.7	150	8	WORK EXPERIENCE
497	81011	FIRST-LINE SUP/MGR-TRANSPORTATION	270	310	40	14.8	50	8	WORK EXPERIENCE
498	81017	FIRST-LINE SUP/MGR-HELP, LABORERS	300	350	50	16.7	60	8	WORK EXPERIENCE
499	81099	FIRST-LINE SUP/MGR-BLUE COLLAR NEC	800	880	80	10.0	160	8	WORK EXPERIENCE
500	83000	INSPECTORS, RELATED OCCUPATIONS	960	1,130	170	17.7	160		
501	83002	INSPECTORS, TESTERS, & GRADERS, PRECI	260	330	70	26.9	40	8	WORK EXPERIENCE
502	83005	PROD INSPECTORS, TESTERS, & GRADER	530	600	70	13.2	90	8	WORK EXPERIENCE
504	83099	INSPECTORS, TESTERS, RELATED, NEC	170	200	30	17.6	30	8	WORK EXPERIENCE
505	85000	MECHANICS, INSTALLERS, REPAIRERS	11,290	12,870	1,580	14.0	2,100		
506	85100	MACHINERY AND RELATED MECHANICS	3,850	4,300	450	11.7	650		
507	85110	MACHINERY MAINTENANCE MECHANICS	540	560	20	3.7	90	9	LONG-TERM ON-THE-JOB TRAINING
512	85118	MAINT MECHANICS--WATER, POWER	120	140	20	16.7	20	9	LONG-TERM ON-THE-JOB TRAINING
513	85119	MACHINERY MAINT MECHANICS, NEC	150	160	10	6.7	20	9	LONG-TERM ON-THE-JOB TRAINING
514	85123	MILLWRIGHTS	330	430	100	30.3	70	9	LONG-TERM ON-THE-JOB TRAINING
516	85128	MACHINERY MAINTENANCE WORKERS	180	200	20	11.1	30	9	LONG-TERM ON-THE-JOB TRAINING
517	85132	MAINT REPAIRERS, GENL UTILITY	2,530	2,810	280	11.1	420	9	LONG-TERM ON-THE-JOB TRAINING
518	85300	MOBILE EQUIP MECHANICS, REPAIRERS	3,310	3,780	470	14.2	640		
519	85302	AUTOMOTIVE MECHANICS	2,160	2,480	320	14.8	400	9	LONG-TERM ON-THE-JOB TRAINING
520	85305	AUTOMOTIVE BODY, RELATED REPAIRERS	400	450	50	12.5	90	9	LONG-TERM ON-THE-JOB TRAINING
522	85311	BUS AND TRUCK MECHANICS	280	310	30	10.7	50	9	LONG-TERM ON-THE-JOB TRAINING
523	85314	MOBILE HEAVY EQUIP MECH--EX ENGINE	230	270	40	17.4	50	9	LONG-TERM ON-THE-JOB TRAINING
524	85317	RAIL CAR REPAIRERS	160	180	20	12.5	30	9	LONG-TERM ON-THE-JOB TRAINING
528	85328	SMALL ENGINE SPECIALISTS	80	90	10	12.5	20	9	LONG-TERM ON-THE-JOB TRAINING

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			1999 (2)	2006					
530	85500	COMM EQUIPMENT MECHANICS	490	530	40	8.2	110		
531	85502	CENTRAL OFFICE AND PBX INSTALLERS	110	130	20	18.2	30	7	POST-SECONDARY VOCATIONAL EDUCATION
532	85505	FRAME WIRERS, CENTRAL OFFICE	110	110	0	0.0	20	7	POST-SECONDARY VOCATIONAL EDUCATION
536	85599	COMM EQUIPMENT MECHANICS, NEC	270	290	20	7.4	60	7	POST-SECONDARY VOCATIONAL EDUCATION
537	85700	OTHER ELECTRICAL EQUIP MECHANICS	1,640	2,010	370	22.6	380		
538	85702	TELEPHONE, CABLE TV INSTALLERS	940	1,180	240	25.5	240	9	LONG-TERM ON-THE-JOB TRAINING
539	85705	DATA PROCESSING EQUIP REPAIRERS	100	120	20	20.0	10	7	POST-SECONDARY VOCATIONAL EDUCATION
541	85711	ELECT HOME APPL & POWER TOOL REPAI	100	110	10	10.0	20	9	LONG-TERM ON-THE-JOB TRAINING
543	85717	ELECT REPAIRERS--COMMERCIAL	110	140	30	27.3	30	7	POST-SECONDARY VOCATIONAL EDUCATION
545	85723	ELECT POWERLINE INSTALLERS	260	310	50	19.2	50	9	LONG-TERM ON-THE-JOB TRAINING
548	85799	ELECT EQUIP MECHANICS, NEC	130	150	20	15.4	30	9	LONG-TERM ON-THE-JOB TRAINING
549	85900	MISC MECH, INSTALLERS, REPAIRERS	2,000	2,250	250	12.5	320		
550	85902	HEATING, AC, REFRIG MECHANICS	470	590	120	25.5	70	9	LONG-TERM ON-THE-JOB TRAINING
551	85905	INSTRUMENT REPAIRERS, PRECISION	290	270	-20	-6.9	50	9	LONG-TERM ON-THE-JOB TRAINING
557	85923	LOCKSMITHS AND SAFE REPAIRERS	70	70	0	0.0	10	10	MODERATE-TERM ON-THE-JOB TRAINING
558	85926	OFF MACH, CASH REGISTER SERVICERS	90	100	10	11.1	10	9	LONG-TERM ON-THE-JOB TRAINING
559	85928	MECH CONTROL, VALVE INSTALLERS	120	130	10	8.3	20	9	LONG-TERM ON-THE-JOB TRAINING
560	85932	ELEVATOR INSTALLERS AND REPAIRERS	70	80	10	14.3	10	9	LONG-TERM ON-THE-JOB TRAINING
561	85935	RIGGERS	50	50	0	0.0	10	9	LONG-TERM ON-THE-JOB TRAINING
566	85953	TIRE REPAIRERS AND CHANGERS	140	150	10	7.1	50	11	SHORT-TERM ON-THE-JOB TRAINING
568	85999	MECHS, INSTALLERS, REPAIRERS, NEC	700	810	110	15.7	90	9	LONG-TERM ON-THE-JOB TRAINING
569	87000	CONSTRUCTION TRADES	13,820	16,940	3,120	22.6	2,560		
570	87100	CARPENTERS AND RELATED WORKERS	6,150	7,550	1,400	22.8	1,220		
571	87102	CARPENTERS	5,370	6,580	1,210	22.5	1,120	9	LONG-TERM ON-THE-JOB TRAINING
572	87105	CEILING TILE INSTALLERS	90	110	20	22.2	20	10	MODERATE-TERM ON-THE-JOB TRAINING
573	87108	DRYWALL INSTALLERS	360	450	90	25.0	40	10	MODERATE-TERM ON-THE-JOB TRAINING

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			1999 (2)	2006					
574	87111	TAPERS	190	240	50	26.3	20	10	MODERATE-TERM ON-THE-JOB TRAINING
575	87114	LATHERS	140	170	30	21.4	20	10	MODERATE-TERM ON-THE-JOB TRAINING
577	87200	ELECTRICIANS AND RELATED WORKERS	1,510	1,840	330	21.9	240		
578	87202	ELECTRICIANS	1,510	1,840	330	21.9	240	9	LONG-TERM ON-THE-JOB TRAINING
579	87300	MASONS AND RELATED WORKERS	1,240	1,570	330	26.6	180		
580	87302	BRICKMASONS	200	270	70	35.0	30	9	LONG-TERM ON-THE-JOB TRAINING
582	87308	HARD TILE SETTERS	110	130	20	18.2	20	9	LONG-TERM ON-THE-JOB TRAINING
583	87311	CONCRETE AND TERRAZZO FINISHERS	550	680	130	23.6	50	9	LONG-TERM ON-THE-JOB TRAINING
584	87314	REINFORCING METAL WORKERS	150	180	30	20.0	30	9	LONG-TERM ON-THE-JOB TRAINING
585	87317	PLASTERERS AND STUCCO MASONS	230	310	80	34.8	50	9	LONG-TERM ON-THE-JOB TRAINING
586	87400	PAINTERS AND RELATED WORKERS	1,430	1,800	370	25.9	290		
587	87402	PAINTERS, PAPERHANGERS--CONST	1,430	1,800	370	25.9	290	10	MODERATE-TERM ON-THE-JOB TRAINING
588	87500	PLUMBERS AND RELATED WORKERS	960	1,120	160	16.7	90		
589	87502	PLUMBERS, PIPEFITTERS, STEAMFITTER	880	1,030	150	17.0	80	9	LONG-TERM ON-THE-JOB TRAINING
591	87508	PIPELAYERS	80	90	10	12.5	10	10	MODERATE-TERM ON-THE-JOB TRAINING
593	87600	CARPET, FLOOR INSTALLERS	230	280	50	21.7	40		
594	87602	CARPET INSTALLERS	230	280	50	21.7	40	10	MODERATE-TERM ON-THE-JOB TRAINING
597	87700	SELECTED ROAD, RAIL AND RELATED	310	390	80	25.8	60		
598	87702	AIR HAMMER OPERATORS	60	70	10	16.7	10	10	MODERATE-TERM ON-THE-JOB TRAINING
600	87708	PAVING, TAMPING-EQUIP OPERATORS	160	210	50	31.3	30	10	MODERATE-TERM ON-THE-JOB TRAINING
601	87711	HIGHWAY MAINTENANCE WORKERS	90	110	20	22.2	20	11	SHORT-TERM ON-THE-JOB TRAINING
603	87800	CONSTRUCTION TRADES, NEC	1,550	1,860	310	20.0	350		
604	87802	INSULATION WORKERS	70	80	10	14.3	20	10	MODERATE-TERM ON-THE-JOB TRAINING
605	87803	HAZARDOUS MATERIALS REMOVAL WORKER	310	360	50	16.1	60	7	POST-SECONDARY VOCATIONAL EDUCATION
607	87808	ROOFERS	540	660	120	22.2	140	10	MODERATE-TERM ON-THE-JOB TRAINING

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608	87811	GLAZIERS	180	210	30	16.7	40	9	LONG-TERM ON-THE-JOB TRAINING
609	87814	STRUCTURAL METAL WORKERS	120	140	20	16.7	20	9	LONG-TERM ON-THE-JOB TRAINING
610	87817	FENCE ERECTORS	80	110	30	37.5	20	10	MODERATE-TERM ON-THE-JOB TRAINING
611	87899	CONSTRUCTION TRADES WORKERS, NEC	250	300	50	20.0	50	10	MODERATE-TERM ON-THE-JOB TRAINING
612	87900	EXTRACTIVE AND RELATED WORKERS	440	530	90	20.5	90		
625	87989	EXTRACTIVE WORKERS--EX HELPERS, NEC	100	110	10	10.0	20	10	MODERATE-TERM ON-THE-JOB TRAINING
626	87999	CONST, EXTRACTIVE--EX HELPERS, NEC	340	420	80	23.5	70	10	MODERATE-TERM ON-THE-JOB TRAINING
627	89000	PRODUCTION OCCUPATIONS, PRECISION	3,750	4,280	530	14.1	620		
628	89100	METAL WORKERS, PRECISION	1,460	1,780	320	21.9	250		
631	89108	MACHINISTS	750	890	140	18.7	110	9	LONG-TERM ON-THE-JOB TRAINING
639	89132	SHEET METAL WORKERS	600	780	180	30.0	120	10	MODERATE-TERM ON-THE-JOB TRAINING
640	89135	BOILERMAKERS	110	110	0	0.0	20	9	LONG-TERM ON-THE-JOB TRAINING
642	89300	WOODWORKERS, PRECISION	240	290	50	20.8	30		
646	89311	CABINETMAKERS AND BENCH CARPENTERS	190	230	40	21.1	20	9	LONG-TERM ON-THE-JOB TRAINING
647	89314	FURNITURE FINISHERS	50	60	10	20.0	10	9	LONG-TERM ON-THE-JOB TRAINING
649	89500	TEXTILE, APPAREL, FURNISHINGS, PREC	60	60	0	0.0	10		
651	89505	CUSTOM TAILORS AND SEWERS	60	60	0	0.0	10	8	WORK EXPERIENCE
672	89800	FOOD WORKERS, PRECISION	90	110	20	22.2	10		
674	89805	BAKERS--MANUFACTURING	90	110	20	22.2	10	10	MODERATE-TERM ON-THE-JOB TRAINING
677	89900	OTHER PRECISION WORKERS	1,900	2,040	140	7.4	320		
682	89914	PHOTOGRAPHIC PROCESS WKR, PRECISION	70	80	10	14.3	20	9	LONG-TERM ON-THE-JOB TRAINING
684	89921	DENTAL LAB TECHNICIANS, PRECISION	180	190	10	5.6	30	9	LONG-TERM ON-THE-JOB TRAINING
687	89999	WORKERS, PRECISION--NEC	1,650	1,770	120	7.3	270	9	LONG-TERM ON-THE-JOB TRAINING

Table 6
Occupational Employment Projections (1)
1999 - 2006
CONTRA COSTA COUNTY

LINE #	CA OES CODE	OCCUPATION	ANNUAL AVERAGES		ABSOLUTE CHANGE	PERCENT CHANGE	OPENINGS DUE TO SEPARATIONS	BLS TRAINING LEVEL	EDUCATION/EXPERIENCE
			1999 (2)	2006					
688	91000	MACH SETTERS, SET-UP, OPS, TENDERS	4,810	6,120	1,310	27.2	760		
689	91100	MACH TOOL CUTTING--METAL, PLASTIC	80	90	10	12.5	20		
695	91117	MACH TOOL CUTTING OPS--METAL, PLAST	80	90	10	12.5	20	10	MODERATE-TERM ON-THE-JOB TRAINING
696	91300	MACH FORMING SETTERS--METAL, PLASTI	440	580	140	31.8	90		
700	91311	EXTRUDING MACH SETTERS--METAL, PLAS	100	140	40	40.0	20	10	MODERATE-TERM ON-THE-JOB TRAINING
703	91321	MACH FORMING OPS, TENDERS--MET, PLAS	340	440	100	29.4	70	10	MODERATE-TERM ON-THE-JOB TRAINING
708	91700	METAL FABRICATING MACH SETTERS, OPS	140	160	20	14.3	20		
713	91714	METAL FABRICATOR, STRUCT MET PRODS	140	160	20	14.3	20	10	MODERATE-TERM ON-THE-JOB TRAINING
714	91900	METAL, PLAST PROCESS MACH SETTERS	50	80	30	60.0	10		
716	91905	PLASTIC MOLDING, CASTING MACH OPS	50	80	30	60.0	10	10	MODERATE-TERM ON-THE-JOB TRAINING
738	92500	PRINTING, BINDING, RELATED WORKERS	390	440	50	12.8	60		
742	92519	PRINT PRESS SETTERS, SET-UP OPS NEC	60	60	0	0.0	10	10	MODERATE-TERM ON-THE-JOB TRAINING
748	92543	PRINTING PRESS MACHINE OPS, TENDER	100	110	10	10.0	20	10	MODERATE-TERM ON-THE-JOB TRAINING
749	92545	PHOTOENGRAVING, LITHO MACH OPS	170	190	20	11.8	20	10	MODERATE-TERM ON-THE-JOB TRAINING
750	92546	BINDERY MACHINE OPERATORS	60	80	20	33.3	10	10	MODERATE-TERM ON-THE-JOB TRAINING
752	92700	TEXTILE, RELATED SETTERS, OPS	460	570	110	23.9	80		
758	92717	SEWING MACHINE OPERATORS--GARMENT	60	80	20	33.3	10	10	MODERATE-TERM ON-THE-JOB TRAINING
759	92721	SEWING MACHINE OPS--NON-GARMENT	70	80	10	14.3	10	10	MODERATE-TERM ON-THE-JOB TRAINING
761	92726	LNDRY, DRYCLEAN MACH OPS--EX PRESS	200	250	50	25.0	40	10	MODERATE-TERM ON-THE-JOB TRAINING
762	92728	PRESSING MACH OPS--TEXTILE, GARMEN	130	160	30	23.1	20	10	MODERATE-TERM ON-THE-JOB TRAINING
763	92900	MACH SETTER, SET-UP, OP--EX MET, PLAS	3,250	4,200	950	29.2	480		
766	92908	PHOTOGRAPHIC PROC MACH OPS, TNDRS	120	110	-10	-8.3	30	11	SHORT-TERM ON-THE-JOB TRAINING
775	92935	CHEMICAL EQUIP CONTROLLERS, OPS	80	90	10	12.5	10	10	MODERATE-TERM ON-THE-JOB TRAINING

Table 6
Occupational Employment Projections (1)
1999 - 2006
CONTRA COSTA COUNTY

LINE #	CA OES CODE	OCCUPATION	ANNUAL AVERAGES		ABSOLUTE CHANGE	PERCENT CHANGE	OPENINGS DUE TO SEPARATIONS	BLS TRAINING LEVEL	EDUCATION/EXPERIENCE
			1999 (2)	2006					
779	92947	PAINTERS, TRANSPORTATION EQUIP	70	70	0	0.0	10	10	MODERATE-TERM ON-THE-JOB TRAINING
780	92951	PAINT, COAT & SPRAY MACH SETTERS	70	70	0	0.0	10	10	MODERATE-TERM ON-THE-JOB TRAINING
781	92953	PAINTING, REL MACH OPS, TENDERS	60	70	10	16.7	10	10	MODERATE-TERM ON-THE-JOB TRAINING
784	92962	SEPARATING, STILL MACH OPS, TNDRS	90	90	0	0.0	20	10	MODERATE-TERM ON-THE-JOB TRAINING
785	92965	CRUSHING, MIXING MACH OPS, TNDRS	260	300	40	15.4	50	10	MODERATE-TERM ON-THE-JOB TRAINING
788	92974	PACKAGING, FILLING MACH OPS, TNDRS	520	690	170	32.7	110	10	MODERATE-TERM ON-THE-JOB TRAINING
789	92997	MACHINE SETTERS & SET-UP OPS, NEC	100	120	20	20.0	10	10	MODERATE-TERM ON-THE-JOB TRAINING
790	92998	MACHINE OPERATORS AND TENDERS, NEC	1,880	2,590	710	37.8	220	10	MODERATE-TERM ON-THE-JOB TRAINING
791	93000	ASSEMBLERS AND FABRICATORS--HAND	3,210	4,000	790	24.6	560		
792	93100	ASSEMBLERS, PRECISION	330	510	180	54.5	60		
796	93111	ELECTROMECH EQUIP ASSEMBLERS--PREC	60	100	40	66.7	10	8	WORK EXPERIENCE
797	93114	ELECTRICAL EQUIP ASSEMBLERS--PREC	160	250	90	56.3	30	8	WORK EXPERIENCE
799	93197	ASSEMBLERS, NEC--PRECISION	110	160	50	45.5	20	8	WORK EXPERIENCE
800	93900	OTHER HAND WORKERS	2,880	3,490	610	21.2	500		
802	93905	ELECTRICAL, ELECTRONIC ASSEMBLERS	140	190	50	35.7	20	11	SHORT-TERM ON-THE-JOB TRAINING
805	93914	WELDERS AND CUTTERS	480	560	80	16.7	90	7	POST-SECONDARY VOCATIONAL EDUCATION
806	93917	SOLDERERS AND BRAZERS	50	70	20	40.0	10	11	SHORT-TERM ON-THE-JOB TRAINING
812	93935	CANNERY WORKERS	80	80	0	0.0	10	11	SHORT-TERM ON-THE-JOB TRAINING
819	93956	ASSEMB, FABRICATORS--EX MACH,ELECT	1,080	1,270	190	17.6	150	11	SHORT-TERM ON-THE-JOB TRAINING
820	93999	HAND WORKERS, NEC	1,050	1,320	270	25.7	220	11	SHORT-TERM ON-THE-JOB TRAINING
821	95000	PLANT AND SYSTEM OCCUPATIONS	2,910	3,290	380	13.1	670		
822	95002	WATER TREATMENT PLANT OPERATORS	350	390	40	11.4	60	9	LONG-TERM ON-THE-JOB TRAINING
824	95008	CHEMICAL PLANT, SYSTEM OPERATORS	270	330	60	22.2	70	9	LONG-TERM ON-THE-JOB TRAINING
826	95014	PETRO REFINERY, CONTROL PANEL OPS	1,500	1,710	210	14.0	360	9	LONG-TERM ON-THE-JOB TRAINING
828	95021	POWER PLANT OPS--EX AUXILIARY EQUI	110	120	10	9.1	30	9	LONG-TERM ON-THE-JOB TRAINING
831	95028	POWER DISTRIBUTORS AND DISPATCHERS	100	110	10	10.0	20	9	LONG-TERM ON-THE-JOB TRAINING

Table 6
Occupational Employment Projections (1)
1999 - 2006
CONTRA COSTA COUNTY

LINE #	CA OES CODE	OCCUPATION	ANNUAL AVERAGES		ABSOLUTE CHANGE	PERCENT CHANGE	OPENINGS DUE TO SEPARATIONS	BLS TRAINING LEVEL	EDUCATION/EXPERIENCE
			1999 (2)	2006					
832	95032	STATIONARY ENGINEERS	60	70	10	16.7	10	9	LONG-TERM ON-THE-JOB TRAINING
833	95099	PLANT AND SYSTEM OPERATORS, NEC	520	560	40	7.7	120	9	LONG-TERM ON-THE-JOB TRAINING
834	97000	TRANS, MATERIAL MOVING MACHINE OPS	10,450	12,070	1,620	15.5	1,370		
835	97100	MOTOR VEHICLE OPERATORS	7,060	8,230	1,170	16.6	820		
836	97102	TRUCK DRIVERS, HEAVY	2,120	2,510	390	18.4	230	11	SHORT-TERM ON-THE-JOB TRAINING
837	97105	TRUCK DRIVERS, LIGHT	2,970	3,550	580	19.5	320	11	SHORT-TERM ON-THE-JOB TRAINING
838	97108	BUS DRIVERS	610	650	40	6.6	80	10	MODERATE-TERM ON-THE-JOB TRAINING
839	97111	BUS DRIVERS--SCHOOL	490	560	70	14.3	70	11	SHORT-TERM ON-THE-JOB TRAINING
840	97114	TAXI DRIVERS AND CHAUFFEURS	210	260	50	23.8	30	11	SHORT-TERM ON-THE-JOB TRAINING
841	97117	DRIVER/SALES WORKERS	520	550	30	5.8	70	11	SHORT-TERM ON-THE-JOB TRAINING
842	97199	MOTOR VEHICLE OPERATORS, NEC	140	150	10	7.1	20	11	SHORT-TERM ON-THE-JOB TRAINING
843	97300	RAIL TRANSPORTATION WORKERS	160	170	10	6.3	40		
848	97314	SUBWAY AND STREETCAR OPERATORS	160	170	10	6.3	40	10	MODERATE-TERM ON-THE-JOB TRAINING
861	97800	MISC TRANSPORTATION WORKERS	790	850	60	7.6	170		
863	97805	SERVICE STATION ATTENDANTS	380	370	-10	-2.6	120	11	SHORT-TERM ON-THE-JOB TRAINING
864	97808	PARKING LOT ATTENDANTS	90	120	30	33.3	10	11	SHORT-TERM ON-THE-JOB TRAINING
865	97899	TRANS AND RELATED WORKERS, NEC	320	360	40	12.5	40	10	MODERATE-TERM ON-THE-JOB TRAINING
866	97900	MATERIAL MOVEMENT EQUIP OPERATORS	2,440	2,820	380	15.6	340		
874	97923	EXCAVATING, LOADING MACHINE OPS	100	130	30	30.0	20	10	MODERATE-TERM ON-THE-JOB TRAINING
879	97938	GRADER, DOZER, SCRAPER OPERATORS	60	70	10	16.7	0	10	MODERATE-TERM ON-THE-JOB TRAINING
881	97944	CRANE AND TOWER OPERATORS	110	110	0	0.0	20	10	MODERATE-TERM ON-THE-JOB TRAINING
882	97947	INDUSTRIAL TRUCK,TRACTOR OPERATORS	550	630	80	14.5	50	11	SHORT-TERM ON-THE-JOB TRAINING
884	97953	PUMP OPERATORS	280	300	20	7.1	40	10	MODERATE-TERM ON-THE-JOB TRAINING
885	97956	OPERATING ENGINEERS	770	930	160	20.8	110	10	MODERATE-TERM ON-THE-JOB TRAINING
886	97989	MATERIAL MOVING EQUIP OPS, NEC	450	510	60	13.3	80	10	MODERATE-TERM ON-THE-JOB TRAINING
887	97999	TRANS, MAT MOVING EQUIP OPS, NEC	120	140	20	16.7	20	10	MODERATE-TERM ON-THE-JOB TRAINING

Table 6
Occupational Employment Projections (1)
1999 - 2006
CONTRA COSTA COUNTY

LINE #	CA OES CODE	OCCUPATION	ANNUAL AVERAGES		ABSOLUTE CHANGE	PERCENT CHANGE	OPENINGS DUE TO SEPARATIONS	BLS TRAINING LEVEL	EDUCATION/EXPERIENCE
			1999 (2)	2006					
888	98000	HELPERS, LABORERS, HAND--EX AG	14,430	16,940	2,510	17.4	3,640		
889	98100	MECHANIC AND REPAIRER HELPERS	520	600	80	15.4	180		
890	98102	HELPERS, MECHANIC & REPAIRER	520	600	80	15.4	180	11	SHORT-TERM ON-THE-JOB TRAINING
891	98300	CONST TRADES, EXTRACTIVE--HELPERS	2,050	2,500	450	22.0	730		
892	98311	HELPERS--BRICK,STONE MASONS	180	230	50	27.8	70	11	SHORT-TERM ON-THE-JOB TRAINING
893	98312	HELPERS--CARPENTERS AND RELATED	460	580	120	26.1	170	11	SHORT-TERM ON-THE-JOB TRAINING
894	98313	HELPERS--ELECT, POWERLINE INSTALL	240	260	20	8.3	80	11	SHORT-TERM ON-THE-JOB TRAINING
895	98314	HELPERS--PAINTERS AND RELATED	150	190	40	26.7	60	11	SHORT-TERM ON-THE-JOB TRAINING
896	98315	HELPERS--PLUMBERS AND RELATED	140	170	30	21.4	50	11	SHORT-TERM ON-THE-JOB TRAINING
897	98316	HELPERS--ROOFERS	110	140	30	27.3	40	11	SHORT-TERM ON-THE-JOB TRAINING
898	98319	HELPERS--CONSTRUCTION TRADES, NEC	660	810	150	22.7	240	11	SHORT-TERM ON-THE-JOB TRAINING
899	98323	HELPERS--EXTRACTIVE WORKERS	60	70	10	16.7	20	11	SHORT-TERM ON-THE-JOB TRAINING
900	98399	HELPERS-CONST TRDS & EXTRCT WRKRS	50	50	0	0.0	0	11	SHORT-TERM ON-THE-JOB TRAINING
901	98500	MACHINE FEEDERS AND OFFBEARERS	200	220	20	10.0	40		
902	98502	MACHINE FEEDERS AND OFFBEARERS,NEC	200	220	20	10.0	40	11	SHORT-TERM ON-THE-JOB TRAINING
903	98700	FREIGHT, STOCK, MAT MOVERS, HAND	2,360	2,590	230	9.7	670		
904	98702	STEVEDORES--EX EQUIPMENT OPERATORS	110	130	20	18.2	30	11	SHORT-TERM ON-THE-JOB TRAINING
905	98705	REFUSE & RECYCLABLE MATERIAL COLLE	390	380	-10	-2.6	110	11	SHORT-TERM ON-THE-JOB TRAINING
906	98799	FREIGHT, MATERIAL MOVERS-HAND, NEC	1,860	2,080	220	11.8	530	11	SHORT-TERM ON-THE-JOB TRAINING
907	98900	MISC HELPERS, LABORERS--HAND	9,300	11,030	1,730	18.6	2,020		
908	98902	HAND PACKERS AND PACKAGERS	2,250	3,040	790	35.1	460	11	SHORT-TERM ON-THE-JOB TRAINING
909	98905	VEHICLE WASHERS, EQUIP CLEANERS	730	820	90	12.3	170	11	SHORT-TERM ON-THE-JOB TRAINING
910	98999	MISC HELPERS, LABORERS--HAND, NEC	6,320	7,170	850	13.4	1,390	11	SHORT-TERM ON-THE-JOB TRAINING

Table 6
Occupational Employment Projections (1)
1999 - 2006
CONTRA COSTA COUNTY

LINE #	CA OES CODE	OCCUPATION	ANNUAL AVERAGES		ABSOLUTE CHANGE	PERCENT CHANGE	OPENINGS DUE TO SEPARATIONS	BLS TRAINING LEVEL	EDUCATION/EXPERIENCE
			1999 (2)	2006					
911		OCCUPATIONS NOT CLASSIFIED	60	60	0	0.0	0	12	NOT CLASSIFIED

(1) Employment and projections contained in these tables are considered estimates. See introduction for an explanation of data limitations.

(2) March 2000 Benchmark

Table 7
Occupations With The Most Openings (1)
(Growth plus Separations)
1999 - 2006
CONTRA COSTA COUNTY

CA OES CODE	OCCUPATION	NUMBER OF JOB OPENINGS	BLS TRAINING LEVEL	EDUCATION / EXPERIENCE
49011	SALESPERSONS, RETAIL	4,520	11	SHORT-TERM ON-THE-JOB TRAINING
49023	CASHIERS	4,250	11	SHORT-TERM ON-THE-JOB TRAINING
31308	TEACHERS--SECONDARY SCHOOL	2,980	5	BACHELOR'S DEGREE
55347	GENERAL OFFICE CLERKS	2,970	11	SHORT-TERM ON-THE-JOB TRAINING
19005	GENERAL MANAGERS, TOP EXECUTIVES	2,550	4	WORK EXP., PLUS A BACHELOR'S OR HIGHER
65008	WAITERS AND WAITRESSES	2,370	11	SHORT-TERM ON-THE-JOB TRAINING
87102	CARPENTERS	2,330	9	LONG-TERM ON-THE-JOB TRAINING
31305	TEACHERS--ELEMENTARY SCHOOL	2,090	5	BACHELOR'S DEGREE
65041	COMBINED FOOD PREP AND SERVICE	2,030	11	SHORT-TERM ON-THE-JOB TRAINING
79041	LABORERS, LANDSCAPING/GROUNDSKEEPING	1,810	11	SHORT-TERM ON-THE-JOB TRAINING
65038	FOOD PREPARATION WORKERS	1,600	11	SHORT-TERM ON-THE-JOB TRAINING
67005	JANITORS, CLEANERS--EXCEPT MAID	1,530	11	SHORT-TERM ON-THE-JOB TRAINING
32502	REGISTERED NURSES	1,500	6	ASSOCIATE DEGREE
25102	SYSTEMS ANALYSTS--ELEC DATA PROCESSING	1,390	5	BACHELOR'S DEGREE
51002	FIRST-LINE SUP/MGR, CLERK, ADM	1,370	8	WORK EXPERIENCE
25104	COMPUTER SUPPORT SPECIALISTS	1,330	5	BACHELOR'S DEGREE
55305	RECEPTIONISTS, INFORMATION CLERKS	1,310	11	SHORT-TERM ON-THE-JOB TRAINING
98902	HAND PACKERS AND PACKAGERS	1,250	11	SHORT-TERM ON-THE-JOB TRAINING
55108	SECRETARIES, GENERAL	1,220	7	POST-SECONDARY VOCATIONAL EDUCATION
25105	COMPUTER PROGRAMMERS	1,210	5	BACHELOR'S DEGREE
41002	FIRST-LINE SUP/MGR--SALES	1,100	8	WORK EXPERIENCE
97105	TRUCK DRIVERS, LIGHT	900	11	SHORT-TERM ON-THE-JOB TRAINING
55338	BOOKKEEPING, ACCOUNTING CLERKS	880	10	MODERATE-TERM ON-THE-JOB TRAINING
63047	GUARDS AND WATCH GUARDS	810	11	SHORT-TERM ON-THE-JOB TRAINING
65017	COUNTER ATTENDANTS--FOOD	780	11	SHORT-TERM ON-THE-JOB TRAINING

Table 7
Occupations With The Most Openings (1)
(Growth plus Separations)
1999 - 2006
CONTRA COSTA COUNTY

CA OES CODE	OCCUPATION	NUMBER OF JOB OPENINGS	BLS TRAINING LEVEL	EDUCATION / EXPERIENCE
22127	COMPUTER ENGINEERS	760	5	BACHELOR'S DEGREE
31303	TEACHERS, PRESCHOOL	730	5	BACHELOR'S DEGREE
49017	COUNTER AND RENTAL CLERKS	730	11	SHORT-TERM ON-THE-JOB TRAINING
21114	ACCOUNTANTS AND AUDITORS	720	5	BACHELOR'S DEGREE
31521	TEACHER AIDES, PARAPROFESSIONAL	720	6	ASSOCIATE DEGREE
65026	COOKS--RESTAURANT	720	9	LONG-TERM ON-THE-JOB TRAINING
85302	AUTOMOTIVE MECHANICS	720	9	LONG-TERM ON-THE-JOB TRAINING
66008	NURSE AIDES, ORDERLIES, ATTENDANTS	710	11	SHORT-TERM ON-THE-JOB TRAINING
13017	ENGINEER, MATH, AND NAT SCI MGR	700	4	WORK EXP., PLUS A BACHELOR'S OR HIGHER
85132	MAINT REPAIRERS, GENL UTILITY	700	9	LONG-TERM ON-THE-JOB TRAINING
87402	PAINTERS, PAPERHANGERS--CONSTRUCTION	660	10	MODERATE-TERM ON-THE-JOB TRAINING
13002	FINANCIAL MANAGERS	630	4	WORK EXP., PLUS A BACHELOR'S OR HIGHER
97102	TRUCK DRIVERS, HEAVY	620	11	SHORT-TERM ON-THE-JOB TRAINING
49008	SALES REPS, NON-SCIENTIFIC EX RETAIL	590	10	MODERATE-TERM ON-THE-JOB TRAINING
53905	TEACHER AIDES & EDUC ASSTS, CLERICAL	590	11	SHORT-TERM ON-THE-JOB TRAINING
68038	CHILD CARE WORKERS	590	11	SHORT-TERM ON-THE-JOB TRAINING
87202	ELECTRICIANS	570	9	LONG-TERM ON-THE-JOB TRAINING
95014	PETRO REFINERY, CONTROL PANEL OPERATORS	570	9	LONG-TERM ON-THE-JOB TRAINING
49021	STOCK CLERKS--SALES FLOOR	560	11	SHORT-TERM ON-THE-JOB TRAINING
63014	POLICE PATROL OFFICERS	560	9	LONG-TERM ON-THE-JOB TRAINING
53102	TELLERS	540	11	SHORT-TERM ON-THE-JOB TRAINING
58023	STOCK CLERKS--STOCKROOM, WAREHOUSE	540	11	SHORT-TERM ON-THE-JOB TRAINING
15005	EDUCATION ADMINISTRATORS	520	4	WORK EXP., PLUS A BACHELOR'S OR HIGHER
66005	MEDICAL ASSISTANTS	510	10	MODERATE-TERM ON-THE-JOB TRAINING
22121	CIVIL ENGINEERS--INCLUDING TRAFFIC	500	5	BACHELOR'S DEGREE
TOTAL OF THESE OCCUPATIONS		61,840		

(1) Excludes not elsewhere classified (NEC) categories.

Table 8
Occupations With Projected Declines (1)
1999 - 2006
CONTRA COSTA COUNTY

CA OES CODE	OCCUPATION	ANNUAL AVERAGES		NUMBER OF JOB DECLINES	OPENINGS DUE TO SEPARATIONS	BLS TRAINING LEVEL	EDUCATION / EXPERIENCE
		1999(2)	2006				
53102	TELLERS	2,480	2,290	-190	730	11	SHORT-TERM ON-THE-JOB TRAINING
57108	CENTRAL OFFICE OPERATORS	460	390	-70	70	10	MODERATE-TERM ON-THE-JOB TRAINING
56011	COMPUTER OPS--EX PERIPHERAL EQUIPMENT	420	380	-40	40	10	MODERATE-TERM ON-THE-JOB TRAINING
65023	BUTCHERS AND MEAT CUTTERS	390	370	-20	60	9	LONG-TERM ON-THE-JOB TRAINING
85905	INSTRUMENT REPAIRERS, PRECISION	290	270	-20	50	9	LONG-TERM ON-THE-JOB TRAINING
55307	TYPISTS, INCLUDING WORD PROCESSING	1,100	1,090	-10	150	10	MODERATE-TERM ON-THE-JOB TRAINING
97805	SERVICE STATION ATTENDANTS	380	370	-10	120	11	SHORT-TERM ON-THE-JOB TRAINING
98705	REFUSE & RECYCLABLE MATERIAL COLLECTORS	390	380	-10	110	11	SHORT-TERM ON-THE-JOB TRAINING
25302	OPS, SYS RESEARCHERS--EX COMPUTERS	320	310	-10	70	3	MASTER'S DEGREE
57102	SWITCHBOARD OPERATORS	370	360	-10	60	11	SHORT-TERM ON-THE-JOB TRAINING
56002	BILLING, POSTING, CALC MACHINE	240	230	-10	30	11	SHORT-TERM ON-THE-JOB TRAINING
92908	PHOTOGRAPHIC PROC MACH OPS,TENDERS	120	110	-10	30	11	SHORT-TERM ON-THE-JOB TRAINING
TOTAL OF THESE OCCUPATIONS		6,960	6,550	-410	1,520		

(1) Excludes not elsewhere classified (NEC) categories and occupations of less than 100 in 2006.

(2) March 2000 Benchmark

Appendix

Alphabetical Index of Occupations

OCCUPATION	LINE NUMBER	CALIFORNIA OES CODE
ABLE SEAMEN	856	97514
ACCOUNTANTS AND AUDITORS	30	21114
ACCOUNTANTS, AUDITORS, FINANCE SPECIALISTS	25	21100
ACTUARIES	114	25313
ADJUDICATORS, JUDICIAL REVIEWERS	137	28105
ADJUSTMENT CLERKS	311	53123
ADMINISTRATIVE SERVICES MANAGERS	7	13014
ADVERTISING CLERKS	335	53908
AERONAUTICAL, ASTRONAUTICAL ENGINEERS	53	22102
AGRICULTURAL AND FOOD SCIENTISTS	91	24305
AGRICULTURAL ENGINEERS	60	22123
AGRICULTURAL SCIENCES TEACHERS, POSTSECONDARY	150	31201
AGRICULTURAL, FORESTRY, FISHING	468	70000
AGRICULTURE, FORESTRY, FISHING--NEC	491	79999
AIR HAMMER OPERATORS	598	87702
AIR TRANSPORTATION WORKERS	859	97700
AIRCRAFT ASSEMBLERS--PRECISION	793	93102
AIRCRAFT ENGINE SPECIALISTS	527	85326
AIRCRAFT MECHANICS	526	85323
AIRCRAFT PILOTS, FLIGHT ENGINEERS	860	97702
AIRPLANE DISPATCHERS, AIR TRAFFIC CONTROLLER	267	39002
AMBULANCE DRIVERS, ATTENDANTS, EX EMERGENCY MEDICAL TECHNICIANS	442	66023
AMUSEMENT, RECREATION ATTENDANTS	456	68014
ANIMAL BREEDERS	481	79015
ANIMAL CARETAKERS--EXCEPT FARM	483	79017
ANIMAL TRAINERS	482	79016
ANNOUNCERS--EX RADIO, TELEVISION	252	34021
ANNOUNCERS--RADIO AND TELEVISION	251	34017
ANTHROPOLOGY & SOCIOLOGY TEACHERS, POSTSECONDARY	166	31231
APPRAISERS--REAL ESTATE	280	43011
ARCHITECTS AND SURVEYORS	68	22300
ARCHITECTS--EX LANDSCAPE, MARINE	69	22302
ARCHITECTURE TEACHERS, POSTSECONDARY	162	31223
AREA, ETHNIC, & CULTURAL STUDIES TEACHERS, POSTSECONDARY	167	31232
ART, DRAMA, MUSIC TEACHERS, POSTSECONDARY	160	31218
ARTISTS AND RELATED WORKERS	257	34035
ASSEMBLERS AND FABRICATORS--HAND WORKING	791	93000
ASSEMBLERS, FABRICATORS--EX MACHINE, ELECTRICAL, PRECISION	819	93956
ASSEMBLERS, NEC--PRECISION	799	93197
ASSEMBLERS, PRECISION	792	93100
ASSESSORS	48	21917
ATHLETES, COACHES, UMPIRES, RELATED	265	34058
ATMOSPHERIC AND SPACE SCIENTISTS	86	24108
AUDIO-VISUAL SPECIALISTS	198	31508
AUTOMOTIVE BODY, RELATED REPAIRERS	520	85305
AUTOMOTIVE MECHANICS	519	85302
AUXILIARY EQUIPMENT OPERATORS--POWER	829	95023
BAGGAGE PORTERS AND BELLHOPS	459	68023
BAILIFFS	408	63023
BAKERS--BREAD AND PASTRY	425	65021

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OCCUPATION	LINE NUMBER	CALIFORNIA OES CODE
BAKERS--MANUFACTURING	674	89805
BANKING, SECURITY, FINANCE, CREDIT WORKERS	303	53100
BARBERS	452	68002
BARTENDERS	420	65005
BICYCLE REPAIRERS	565	85951
BILL AND ACCOUNT COLLECTORS	323	53508
BILLING, COST, AND RATE CLERKS	357	55344
BILLING, POSTING, CALCULATING MACHINE OPERATORS	360	56002
BINDERY MACHINE OPERATORS, TENDERS	750	92546
BINDERY MACHINE SETTERS, SET-UP OPERATORS	745	92525
BIOLOGICAL SCIENTISTS	92	24308
BIOLOGICAL, AGRICULTURAL, FOOD TECHS	96	24502
BLASTERS AND EXPLOSIVES WORKERS	614	87905
BOILER OPERATORS, TENDERS--LOW PRESSURE	772	92926
BOILERMAKERS	640	89135
BOOKBINDERS	670	89721
BOOKKEEPING, ACCOUNTING, AUDITING CLERKS	355	55338
BRATTICE BUILDERS	576	87121
BRICKMASONS	580	87302
BRIDGE, LOCK, LIGHTHOUSE TENDERS	862	97802
BROADCAST NEWS ANALYSTS	250	34014
BROADCAST TECHNICIANS	255	34028
BROKERAGE CLERKS	313	53128
BROKERS--REAL ESTATE	278	43005
BUDGET ANALYSTS	31	21117
BUS AND TRUCK MECHANICS	522	85311
BUS DRIVERS	838	97108
BUS DRIVERS--SCHOOL	839	97111
BUSINESS TEACHERS, POSTSECONDARY	174	31242
BUTCHERS AND MEAT CUTTERS	426	65023
CABINETMAKERS AND BENCH CARPENTERS	646	89311
CAMERA OPERATORS	665	89713
CAMERA OPERATORS--TELEVISION AND MOTION PICTURE	254	34026
CAMERA, PHOTOGRAPHIC EQUIPMENT REPAIRERS	554	85914
CANNERY WORKERS	812	93935
CAPTAINS--WATER VESSEL	852	97502
CARDIOLOGY TECHNOLOGISTS	239	32925
CARPENTERS	571	87102
CARPENTRY AND RELATED WORKERS	570	87100
CARPET CUTTERS, DIAGRAMMERS, SEAMERS	811	93932
CARPET INSTALLERS	594	87602
CARPET, FLOOR INSTALLERS	593	87600
CASHIERS	294	49023
CEILING TILE INSTALLERS	572	87105
CEMENTING, GLUING MACHINE OPERATORS, TENDERS	782	92956
CENTRAL OFFICE AND PBX INSTALLERS	531	85502
CENTRAL OFFICE OPERATORS	372	57108
CHEMICAL ENGINEERS	57	22114
CHEMICAL EQUIPMENT CONTROLLERS, OPERATORS	775	92935
CHEMICAL EQUIPMENT TENDERS	776	92938

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OCCUPATION	LINE NUMBER	CALIFORNIA OES CODE
CHEMICAL PLANT, SYSTEM OPERATORS	824	95008
CHEMICAL TECHS--EXCEPT HEALTH	97	24505
CHEMISTRY TEACHERS, POSTSECONDARY	152	31204
CHEMISTS, EXCEPT BIOCHEMISTS	85	24105
CHILD CARE WORKERS	464	68038
CHIROPRACTORS	209	32113
CHOKE SETTERS	473	73005
CIVIL ENGINEERING TECHS	74	22502
CIVIL ENGINEERS--INCLUDING TRAFFIC	59	22121
CLAIMS EXAMINERS--INSURANCE	49	21921
CLAIMS TAKERS--UNEMPLOYMENT BENEFITS	38	21502
CLEANING, BUILDING SERVICE WORKERS	445	67000
CLEANING, BUILDING SERVICE WORKERS, NEC	450	67099
CLEANING, WASHING, PICKLING EQUIPMENT OPERATORS, TENDERS	783	92958
CLERGY	131	27502
CLERICAL & ADMINISTRATIVE SUPPORT WORKERS, NEC	393	59999
CLERICAL, ADMINISTRATIVE SUPPORT	299	50000
CLERICAL, ADMINISTRATIVE SUPPORT, NEC	392	59000
COIL WINDERS, TAPERS, FINISHERS	803	93908
COIN, VENDING MACHINE SERVICERS	564	85947
COMBINATION MACHINE TOOL OPERATORS--METAL, PLASTIC	707	91508
COMBINATION MACHINE TOOL SETTERS--METAL, PLASTIC	706	91505
COMBINED FOOD PREPARATION, SERVICE WORKERS	432	65041
COMMUNICATION EQUIPMENT MECHANICS, NEC	536	85599
COMMUNICATION EQUIPMENT OPERATORS, NEC	374	57199
COMMUNICATIONS EQUIPMENT MECHANICS, INSTALLERS, REPAIRERS	530	85500
COMMUNICATIONS EQUIPMENT OPERATORS	369	57100
COMMUNICATIONS TEACHERS, POSTSECONDARY	157	31213
COMMUNICATIONS, MAIL DISTRIBUTION	368	57000
COMMUNICATIONS, TRANSPORTATION, UTILITIES OPERATION MANAGERS	16	15023
COMPLIANCE OFFICERS, ENFORCEMENT INSPECTORS--EX CONSTRUCTION	46	21911
COMPUTER ENGINEERS	62	22127
COMPUTER OPERATIONS--EX PERIPHERAL EQUIPMENT	363	56011
COMPUTER PROGRAMMER AIDES	107	25108
COMPUTER PROGRAMMERS	106	25105
COMPUTER SCIENCE TEACHERS, POSTSECONDARY	164	31226
COMPUTER SCIENTISTS AND RELATED	102	25100
COMPUTER SCIENTISTS, RELATED WORKERS, NEC	109	25199
COMPUTER SUPPORT SPECIALISTS	105	25104
COMPUTER, MATHEMATICAL, OPERATIONS RESEARCH, RELATED	101	25000
CONCRETE AND TERRAZZO FINISHERS	583	87311
CONST, EXTRACTIVE--EX HELPERS, NEC	626	87999
CONSTRUCTION MANAGERS	14	15017
CONSTRUCTION TRADES	569	87000
CONSTRUCTION TRADES WORKERS, NEC	611	87899
CONSTRUCTION TRADES, EXTRACTIVE--HELPERS	891	98300
CONSTRUCTION TRADES, NEC	603	87800
CONSTRUCTION, BUILDING INSPECTORS	45	21908
CONTINUOUS MINING MACHINE OPERATOR	622	87941
CONVEYOR OPERATORS AND TENDERS	883	97951

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OCCUPATION	LINE NUMBER	CALIFORNIA OES CODE
COOKING MACHINE OPERATORS, TENDERS--FOOD, TOBACCO	769	92917
COOKS--FAST FOOD	429	65032
COOKS--INSTITUTION OR CAFETERIA	428	65028
COOKS--RESTAURANT	427	65026
COOKS--SHORT ORDER	430	65035
COOLING, FREEZING EQUIPMENT OPERATORS, TENDERS	773	92928
CORRECTION OFFICERS, JAILERS	406	63017
CORRECTIVE, MANUAL ARTS THERAPISTS	216	32311
CORRESPONDENCE CLERKS	348	55317
COST ESTIMATORS	43	21902
COUNTER AND RENTAL CLERKS	292	49017
COUNTER ATTENDANTS--FOOD	424	65017
COURT CLERKS	325	53702
CRANE AND TOWER OPERATORS	881	97944
CREDIT ANALYSTS	27	21105
CREDIT AUTHORIZERS	308	53114
CREDIT CHECKERS	309	53117
CRIMINAL INVESTIGATORS, PUBLIC SERVICE	410	63028
CRIMINAL JUSTICE & LAW ENFORCEMENT TEACHERS	176	31246
CROSSING GUARDS	415	63044
CRUSHING, GRINDING, MIXING MACHINE OPERATORS, TENDERS	785	92965
CURATORS, ARCHIVISTS, AND RELATED	199	31511
CUSTOM TAILORS AND SEWERS	651	89505
CUSTOMER SERVICE REPRESENTATIVES--UTILITIES	354	55335
CUTTERS AND TRIMMERS--HAND	809	93926
CUTTING, FORMING, FABRICATING, PROCESSING MACHINE OPERATORS	731	92198
CUTTING, FORMING, FABRICATING, PROCESSING MACHINE SETTER	730	92197
CUTTING, SLICING MACHINE OPERATORS, TENDERS	778	92944
CUTTING, SLICING MACHINE SETTERS, SET-UP OPERATORS	777	92941
DAIRY PROCESSING EQUIPMENT OPERATORS--INCLUDING SETTERS	774	92932
DANCERS AND CHOREOGRAPHERS	263	34053
DATA BASE ADMINISTRATORS	104	25103
DATA ENTRY KEYERS--EX COMPOSING	365	56017
DATA KEYERS--COMPOSING	366	56021
DATA PROCESSING EQUIPMENT REPAIRERS	539	85705
DEMONSTRATORS AND PROMOTERS	296	49034
DENTAL ASSISTANTS	435	66002
DENTAL HYGIENISTS	233	32908
DENTAL LAB TECHNICIANS, PRECISION	684	89921
DENTISTS	206	32105
DERRICK OPERATORS--OIL, GAS EXTRACTION	617	87914
DESIGNERS, EX INTERIOR DESIGNERS	258	34038
DETAIL DESIGN DECORATORS, PAINTERS, PRECISION	681	89911
DETECTIVES, INVESTIGATORS--EX PUBLIC	412	63035
DIETETIC TECHNICIANS	229	32523
DIETITIANS AND NUTRITIONISTS	228	32521
DINING ROOM ATTENDANTS, BAR HELPERS	423	65014
DIRECTORS, RELIGIOUS ACTIVITIES, EDUCATION	132	27505
DIRECTORY ASSISTANCE OPERATORS	371	57105
DISPATCHERS--EX POLICE, FIRE, AMBULANCE	382	58005

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OCCUPATION	LINE NUMBER	CALIFORNIA OES CODE
DISPATCHERS--POLICE, FIRE, AMBULANCE	381	58002
DRAFTERS	78	22514
DRAGLINE OPERATORS	875	97926
DREDGE OPERATORS	876	97928
DRILLING MACHINE SETTERS--METAL, PLASTIC	692	91108
DRIVER/SALES WORKERS	841	97117
DRYWALL INSTALLERS	573	87108
DUPLICATING MACHINE OPERATORS	361	56005
DYERS, PRECISION	656	89521
EARTH DRILLERS, EXCEPT OIL AND GAS	613	87902
ECONOMICS TEACHERS, POSTSECONDARY	168	31233
ECONOMISTS--INCLUDING MARKET RESEARCH ANALYSTS	120	27102
EDUCATION ADMINISTRATORS	10	15005
EDUCATION TEACHERS, POSTSECONDARY	178	31252
ELECTRIC HOME APPLIANCE & POWER TOOL REPAIRERS	541	85711
ELECTRIC METER INSTALLERS, REPAIRERS	553	85911
ELECTRIC MOTOR, AND RELATED REPAIRERS	542	85714
ELECTRICAL AND RELATED WORKERS	577	87200
ELECTRICAL EQUIPMENT ASSEMBLERS--PRECISION	797	93114
ELECTRICAL EQUIPMENT MECHANICS, NEC	548	85799
ELECTRICAL INSTALLERS--TRANSPORTATION EQUIPMENT	547	85728
ELECTRICAL POWER-LINE INSTALLERS	545	85723
ELECTRICAL, ELECTRONIC ASSEMBLERS	802	93905
ELECTRICAL, ELECTRONIC ENGINEERING TECHS	75	22505
ELECTRICAL, ELECTRONIC ENGINEERS	61	22126
ELECTRICIANS	578	87202
ELECTROCARDIOGRAPH TECHNICIANS	240	32926
ELECTROLYTIC PLATING, MACHINE OPERATORS	721	91921
ELECTROLYTIC PLATING, MACHINE SETTER	720	91917
ELECTROMECHANICAL EQUIPMENT ASSEMBLERS--PRECISION	796	93111
ELECTROMEDICAL, BIOMEDICAL EQUIPMENT REPAIRER	552	85908
ELECTRONEURODIAGNOSTIC TECHNOLOGISTS	238	32923
ELECTRONIC DATA PROCESSING AND OFFICE MACHINE WORKERS	359	56000
ELECTRONIC HOME ENTERTAINMENT EQUIPMENT REPAIRERS	540	85708
ELECTRONIC PAGINATION SYSTEM WORKERS	662	89707
ELECTRONIC SEMICONDUCTOR PROCESSORS	764	92902
ELECTRONICS REPAIRERS--COMMERCIAL AND INDUSTRIAL	543	85717
ELEVATOR INSTALLERS AND REPAIRERS	560	85932
ELEVATOR OPERATORS	449	67011
EMBALMERS	271	39014
EMERGENCY MEDICAL TECHNICIANS	223	32508
EMPLOYMENT INTERVIEWERS--PRIVATE OR PUBLIC	40	21508
ENGINEERING TEACHERS, POSTSECONDARY	161	31222
ENGINEERING, MATHEMATICAL, AND NATURAL SCIENCE MANAGERS	8	13017
ENGINEERING, RELATED TECHS	73	22500
ENGINEERING, RELATED TECHS, NEC	81	22599
ENGINEERS	52	22100
ENGINEERS, ARCHITECTS, SURVEYORS	51	22000
ENGINEERS, NEC	67	22199
ENGLISH LANGUAGE & LITERATURE TEACHERS, POSTSECONDARY	158	31214

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OCCUPATION	LINE NUMBER	CALIFORNIA OES CODE
ENGRAVING, PRINTING WORKERS--HAND	817	93951
ESTIMATORS, DRAFTERS--UTILITIES	79	22517
ETCHERS, ENGRAVERS--PRECISION	638	89128
EXCAVATING, LOADING MACHINE OPS	874	97923
EXTRACTIVE AND RELATED WORKERS	612	87900
EXTRACTIVE WORKERS--EX HELPERS, NEC	625	87989
EXTRUDING MACHINE OPERATORS, TENDERS--SYNTHETIC/GLASS	755	92708
EXTRUDING MACHINE SETTERS--METAL, PLASTIC	700	91311
EXTRUDING, FORMING MACHINE OPERATORS, TENDERS	787	92971
EXTRUDING, FORMING, SETTERS, SET-UP OPERATORS	786	92968
FALLERS AND BUCKERS	472	73002
FARM AND HOME MANAGEMENT ADVISORS	193	31323
FARM EQUIPMENT MECHANICS	525	85321
FARM EQUIPMENT OPERATORS	484	79021
FARMWORKERS-FARM/RANCH ANIMALS	490	79858
FARMWORKERS-FOOD, FIBER CROPS	489	79856
FENCE ERECTORS	610	87817
FILE CLERKS	349	55321
FILM EDITORS	256	34032
FINANCIAL ANALYSTS, STATISTICAL	115	25315
FINANCIAL MANAGERS	3	13002
FINANCIAL SPECIALISTS, NEC	32	21199
FIRE FIGHTERS	403	63008
FIRE FIGHTING & PREVENTION SUPERVISORS	396	61002
FIRE INSPECTORS	401	63002
FIRST-LINE SUP/MGR-AGRICULTURE	470	72002
FIRST-LINE SUP/MGR-AGRICULTURE, FORESTRY, FISHING	469	72000
FIRST-LINE SUP/MGR-BLUE COLLAR	493	81000
FIRST-LINE SUP/MGR-BLUE COLLAR NEC	499	81099
FIRST-LINE SUP/MGR-CLERICAL, ADMINISTRATIVE SUPPORT	300	51000
FIRST-LINE SUP/MGR-CLERICAL, ADMINISTRATIVE SUPPORT	301	51002
FIRST-LINE SUP/MGR-CONSTRUCTION, EXTRACTIVE	495	81005
FIRST-LINE SUP/MGR-HELPERS, LABORERS	498	81017
FIRST-LINE SUP/MGR-MECHANICS, INSTALLERS, REPAIRERS	494	81002
FIRST-LINE SUP/MGR-PRODUCTION, OPERATING	496	81008
FIRST-LINE SUP/MGR-SALES	274	41000
FIRST-LINE SUP/MGR-SALES	275	41002
FIRST-LINE SUP/MGR-SERVICE	395	61000
FIRST-LINE SUP/MGR-SERVICE WORKERS, NEC	399	61099
FIRST-LINE SUP/MGR-TRANSPORTATION	497	81011
FISH AND GAME WARDENS	414	63041
FITTERS, STRUCTURAL METAL--PRECISION	795	93108
FLIGHT ATTENDANTS	460	68026
FLOOR LAYERS--EX CARPET, WOOD, TILES	595	87605
FLOOR SANDING MACHINE OPERATORS	596	87608
FOOD AND TOBACCO WORKERS, NEC	676	89899
FOOD BATCHMAKERS	675	89808
FOOD PREPARATION WORKERS	431	65038
FOOD SERVERS--OUTSIDE	422	65011
FOOD SERVICE AND LODGING MANAGERS	17	15026

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OCCUPATION	LINE NUMBER	CALIFORNIA OES CODE
FOOD SERVICE WORKERS, NEC	433	65099
FOOD WORKERS, PRECISION	672	89800
FOOD, BEVERAGE PREPARATION, SERVICE WORKERS	418	65000
FOREIGN LANGUAGE & LITERATURE TEACHERS, POSTSECONDARY	159	31215
FOREST FIRE INSPECTORS, PREVENTION SPECIALISTS	402	63005
FOREST, CONSERVATION WORKERS	478	79002
FORESTERS, CONSERVATION SCIENTISTS	90	24302
FORGING MACHINE SETTERS--METAL, PLASTIC	702	91317
FOUNDRY MOLD ASSEMBLY, SHAKE-OUT	719	91914
FOUNDRY MOLD, COREMAKERS, PRECISION	678	89902
FRAME WIRERS, CENTRAL OFFICE	532	85505
FREIGHT, MATERIAL MOVERS-HAND, NEC	906	98799
FREIGHT, STOCK, MATERIAL MOVERS, HAND	903	98700
FUNERAL ATTENDANTS	465	68041
FUNERAL DIRECTORS AND MORTICIANS	270	39011
FURNACE OPERATORS AND TENDERS	726	91935
FURNACE, KILN, OVEN, DRIER, KETTLE OPERATORS, TENDERS	771	92923
FURNITURE FINISHERS	647	89314
GAS APPLIANCE REPAIRERS	563	85944
GAS COMPRESSOR OPERATORS	873	97921
GAS PLANT OPERATORS	823	95005
GAS PUMPING STATION OPERATORS	872	97917
GAUGERS	827	95017
GEM AND DIAMOND WORKERS	686	89926
GENERAL MANAGERS, TOP EXECUTIVES	21	19005
GENERAL OFFICE CLERKS	358	55347
GEOGRAPHY TEACHERS, POSTSECONDARY	169	31234
GEOLOGISTS, GEOPHYSICISTS, OCEANOGRAPHERS	87	24111
GLAZIERS	608	87811
GLAZIERS, MANUFACTURING	804	93911
GRADER, BULLDOZER, SCRAPER OPERATORS	879	97938
GRADERS, SORTERS--AGRICULTURAL PRODUCTS	480	79011
GRADUATE ASSISTANTS, TEACHING	149	31117
GRINDING MACHINE SETTER--METAL, PLASTIC	694	91114
GRINDING, POLISHING WORKERS--HAND	818	93953
GUARDS AND WATCH GUARDS	416	63047
GUIDES	457	68017
HAIRDRESSERS, HAIRSTYLISTS, COSMETOLOGISTS	453	68005
HAND COMPOSITORS AND TYPESETTERS	659	89702
HAND PACKERS AND PACKAGERS	908	98902
HAND WORKERS, NEC	820	93999
HAND WORKERS--JEWELRY, PRECISION	637	89126
HARD TILE SETTERS	582	87308
HAZARDOUS MATERIALS REMOVAL WORKERS	605	87803
HEAD SAWYERS	734	92305
HEALTH ASSESSMENT, TREATMENT TEACHERS, POSTSECONDARY	156	31212
HEALTH CARE MAINTENANCE, TREATING	220	32500
HEALTH CARE PROFESSIONALS, PARAPROFESSIONALS, TECHNICIANS NEC	244	32999
HEALTH DIAGNOSING, TREATING PRACTITIONERS	204	32100
HEALTH DIAGNOSING, TREATING, NEC	211	32199

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OCCUPATION	LINE NUMBER	CALIFORNIA OES CODE
HEALTH DIAGNOSTICS TEACHERS, POSTSECONDARY	155	31211
HEALTH PRACTITIONERS, TECHS, RELATED	203	32000
HEALTH SERVICE WORKERS, NEC	444	66099
HEALTH SERVICE, RELATED WORKERS	434	66000
HEAT TREATING MACHINE OPERATORS, TENDERS	725	91932
HEATERS, METAL & PLASTIC	727	91938
HEATING EQUIPMENT SETTERS-METAL, PLASTIC	724	91928
HEATING, AIR CONDITIONING, REFRIGERATION MECHANICS	550	85902
HELPERS, LABORERS, HAND-EX AG	888	98000
HELPERS, MECHANIC & REPAIRER	890	98102
HELPERS-BRICK, STONE MASONS	892	98311
HELPERS-CARPENTERS AND RELATED	893	98312
HELPERS-CONSTRUCTION TRADES & EXTRACTIVE WORKERS	900	98399
HELPERS-CONSTRUCTION TRADES, NEC	898	98319
HELPERS-ELECTRICIANS, POWERLINE INSTALLERS	894	98313
HELPERS-EXTRACTIVE WORKERS	899	98323
HELPERS-PAINTERS AND RELATED	895	98314
HELPERS-PLUMBERS AND RELATED	896	98315
HELPERS-ROOFERS	897	98316
HIGHWAY MAINTENANCE WORKERS	601	87711
HISTORY TEACHERS, POSTSECONDARY	170	31235
HOIST AND WINCH OPERATORS	880	97941
HOME ECONOMICS TEACHERS, POSTSECONDARY	182	31262
HOME HEALTH AIDES	438	66011
HOSTS, HOSTESSES-RESTAURANTS	419	65002
HOTEL DESK CLERKS	331	53808
HOUSEKEEPING SUPERVISORS	398	61008
HUMAN SERVICES WORKERS	128	27308
INDUSTRIAL ENGINEERING TECHS	76	22508
INDUSTRIAL ENGINEERS-EXCEPT SAFETY	63	22128
INDUSTRIAL PRODUCTION MANAGERS	13	15014
INDUSTRIAL TRUCK,TRACTOR OPERATORS	882	97947
INDUSTRY SPECIFIC CLERICAL, ADMINISTRATIVE SUPPORT	302	53000
INSPECTORS, PRECISION, TESTERS & GRADERS	501	83002
INSPECTORS, PRODUCTION, TESTERS & GRADERS	502	83005
INSPECTORS, RELATED OCCUPATIONS	500	83000
INSPECTORS, TESTERS, RELATED, NEC	504	83099
INSTALLERS & REPAIRERS, MOBILE HOME	562	85938
INSTRUCTIONAL COORDINATORS	201	31517
INSTRUCTORS AND COACHES-SPORTS	192	31321
INSTRUCTORS-NON-VOC EDUCATION	191	31317
INSTRUMENT MAKERS, PRECISION	630	89105
INSTRUMENT REPAIRERS, PRECISION	551	85905
INSULATION WORKERS	604	87802
INSURANCE ADJUSTERS, EXAMINERS, INVESTIGATORS	315	53302
INSURANCE APPRAISERS-AUTO DAMAGE	316	53305
INSURANCE CLAIMS CLERKS	318	53311
INSURANCE EXAMINING CLERKS	317	53308
INSURANCE POLICY PROCESSING CLERKS	319	53314
INSURANCE UNDERWRITERS	26	21102

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OCCUPATION	LINE NUMBER	CALIFORNIA OES CODE
INSURANCE WORKERS	314	53300
INTERIOR DESIGNERS	259	34041
INTERVIEWING CLERKS--EX PERSONNEL, WELFARE	353	55332
INVESTIGATIVE, RELATED, EX INSURANCE	320	53500
INVESTIGATORS--CLERICAL	322	53505
JANITORS, CLEANERS--EXCEPT MAIDS	447	67005
JEWELERS AND SILVERSMITHS	636	89123
JOB PRINTERS	660	89705
JUDGES AND MAGISTRATES	136	28102
LABORERS, LANDSCAPING/GROUNDSKEEPING	487	79041
LANDSCAPE ARCHITECTS	71	22308
LATHE MACHINE SETTERS--METAL, PLASTIC	691	91105
LATHERS	575	87114
LAUNDRY, DRYCLEAN MACHINE OPERATORS--EX PRESSING	761	92726
LAW AND RELATED OCCUPATIONS	134	28000
LAW CLERKS	140	28302
LAW TEACHERS, POSTSECONDARY	175	31244
LAWN SERVICE MANAGER	19	15032
LAWYERS	138	28108
LAWYERS AND RELATED WORKERS	135	28100
LAYOUT WORKERS--METAL, PRECISION	634	89117
LECTURERS	147	31111
LEGAL ASSISTANTS, TECHNICIANS, EX CLERICAL	139	28300
LEGAL ASSISTANTS, TECHNICIANS--EX CLERICAL, NEC	144	28399
LETTERPRESS SETTERS, SET-UP OPS	741	92515
LIBRARIANS, ARCHIVISTS AND RELATED	195	31500
LIBRARIANS--PROFESSIONAL	196	31502
LIBRARY ASSISTANTS & BOOKMOBILE DRIVERS	333	53902
LIBRARY SCIENCE TEACHERS, POSTSECONDARY	180	31256
LICENSE CLERKS	327	53708
LICENSED PRACTICAL NURSES	222	32505
LIFE SCIENCES TEACHERS, POSTSECONDARY	151	31202
LIFE SCIENTISTS	89	24300
LIFE SCIENTISTS, NEC	94	24399
LITHOGRAPHY & PHOTOENGRAVING, PRECISION	663	89710
LITHOGRAPHY& PHOTOENGRAVING WORKERS,NEC	669	89719
LOADING MACHINE OPERATORS--MINING	877	97932
LOAN AND CREDIT CLERKS	310	53121
LOAN INTERVIEWERS	307	53111
LOAN OFFICERS AND COUNSELORS	28	21108
LOCKSMITHS AND SAFE REPAIRERS	557	85923
LOCOMOTIVE ENGINEERS	845	97305
LOCOMOTIVE FIRERS	847	97311
LODGING AND TRAVEL WORKERS	328	53800
LOG GRADERS AND SCALERS	479	79008
LOGGING TRACTOR OPERATORS	475	73011
LOG-HANDLING EQUIPMENT OPERATORS	474	73008
LONGSHORE EQUIPMENT OPERATORS	867	97902
MACHINE ASSEMBLERS	801	93902
MACHINE BUILDERS, OTHER PRECISION MACHINE ASSEMBLERS	794	93105

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MACHINE FEEDERS AND OFFBEARERS	901	98500
MACHINE FEEDERS AND OFFBEARERS, NEC	902	98502
MACHINE FORMING OPERATORS, TENDERS--METAL, PLASTIC	703	91321
MACHINE FORMING SETTERS--METAL, PLASTIC	696	91300
MACHINE OPERATORS AND TENDERS, NEC	790	92998
MACHINE SETTER, SET-UP, OPERATOR--EX METAL, PLASTIC	763	92900
MACHINE SETTERS, SET-UP OPERATORS, NEC	789	92997
MACHINE SETTERS, SET-UP, OPERATORS, TENDERS	688	91000
MACHINE TOOL CUTTING OPERATORS--METAL, PLASTIC	695	91117
MACHINE TOOL CUTTING--METAL, PLASTIC	689	91100
MACHINE TOOL SETTERS, OPERATORS--METAL, PLASTIC	704	91500
MACHINERY AND RELATED MECHANICS	506	85100
MACHINERY MAINTENANCE MECHANICS	507	85110
MACHINERY MAINTENANCE MECHANICS, NEC	513	85119
MACHINERY MAINTENANCE WORKERS	516	85128
MACHINISTS	631	89108
MAIDS AND HOUSEKEEPING CLEANERS	446	67002
MAIL CLERKS-EX MAIL MACHINE OPERATORS, POSTAL SERVICE	376	57302
MAIL MACH OPERATORS--PREPARATION AND HANDLING	362	56008
MAIL, MESSAGE DISTRIBUTION WORKERS	375	57300
MAIN LINE STATION ENGINEERS	871	97914
MAINTENANCE MECHANICS--MARINE EQUIPMENT	510	85116
MAINTENANCE MECHANICS--SEWING MACHINE	509	85113
MAINTENANCE MECHANICS--TEXTILE	508	85112
MAINTENANCE MECHANICS--WATER, POWER	512	85118
MAINTENANCE REPAIRERS, GENERAL UTILITY	517	85132
MANAGEMENT ANALYSTS	44	21905
MANAGEMENT SUPPORT OCCUPATIONS	24	21000
MANAGEMENT SUPPORT WORKERS, NEC	50	21999
MANAGERIAL AND ADMINISTRATIVE OCCUPATIONS	2	10000
MANAGERS AND ADMINISTRATORS, NEC	22	19999
MANICURISTS	454	68008
MARINE ARCHITECTS	70	22305
MARINE ENGINEERS	66	22138
MARKETING, ADVERTISING, PUBLIC RELATIONS MANAGERS	6	13011
MARKING CLERKS	387	58021
MASONRY AND RELATED WORKERS	579	87300
MATERIAL MOVEMENT EQUIP OPERATORS	866	97900
MATERIAL MOVING EQUIPMENT OPERATORS, NEC	886	97989
MATERIAL RECORDING, DISPATCHING	380	58000
MATERIAL RECORDING, RELATED, NEC	391	58099
MATES--SHIP, BOAT, AND BARGE	853	97505
MATHEMATICAL SCIENCES TEACHERS, POSTSECONDARY	163	31224
MATHEMATICAL SCIENTISTS	112	25310
MATHEMATICAL SCIENTISTS AND RELATED	110	25300
MATHEMATICAL SCIENTISTS, NEC	116	25319
MATHEMATICAL TECHNICIANS	117	25323
MEAT, POULTRY, FISH CUTTERS, TRIMMERS--HAND	813	93938
MECHANIC AND REPAIRER HELPERS	889	98100
MECHANICAL CONTROL, VALVE INSTALLERS	559	85928

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MECHANICAL ENGINEERING TECHS	77	22511
MECHANICAL ENGINEERS	65	22135
MECHANICS, INSTALLERS, REPAIRERS	505	85000
MECHANICS, INSTALLERS, REPAIRERS, NEC	568	85999
MECHANICS, NEC	529	85399
MEDICAL APPLIANCE MAKERS	685	89923
MEDICAL ASSISTANTS	436	66005
MEDICAL RECORDS TECHNICIANS	234	32911
MEDICAL SCIENTISTS	93	24311
MEDICAL, CLINICAL LABORATORY TECHNICIANS	232	32905
MEDICAL, CLINICAL LABORATORY TECHNOLOGISTS	231	32902
MEDICINE, HEALTH SERVICES MGRS	11	15008
MENDERS, GARMENTS AND LINENS	567	85956
MERCHANDISE DISPLAYERS, WINDOW TRIMMERS	260	34044
MERCHANDISE, PRODUCTS AND OTHER SALES	286	49000
MESSENGERS	379	57311
METAL FABRICATING MACHINE SETTERS, OPERATORS	708	91700
METAL FABRICATOR, STRUCTURAL METAL PRODUCTS	713	91714
METAL MOLDING MACHINE OPERATORS AND TENDERS	718	91911
METAL MOLDING, MACHINE SETTER, SET-UP OPERATORS	717	91908
METAL POURERS, CASTERS--BASIC SHAPES	814	93941
METAL WORKERS, NEC--PRECISION	641	89199
METAL WORKERS, PRECISION	628	89100
METAL, PLASTIC MACHINE SETTERS, OPERATORS NEC	729	92100
METAL, PLASTIC PROCESSING MACHINE SETTERS	714	91900
METALLURGISTS, RELATED ENGINEERS	54	22105
METER READERS--UTILITIES	385	58014
MILLING MACHINE SETTERS--METAL, PLASTIC	693	91111
MILLWRIGHTS	514	85123
MINE CUTTING, CHANNELING MACHINE OPERATORS	623	87943
MINING ENGINEERS--INCLUDING MINE SAFETY	55	22108
MINING MACHINE OPERATORS	621	87940
MINING MACHINE OPERATORS, NEC	624	87949
MINING, QUARRYING, OIL AND GAS, RELATED MANAGERS	15	15021
MISC AG, FORESTRY, FISHING	477	79000
MISC HELPERS, LABORERS--HAND	907	98900
MISC HELPERS, LABORERS--HAND, NEC	910	98999
MISC METAL, PLASTIC MACHINE SETTERS, OPERATORS	728	91999
MISC SERVICE WORKERS	466	69000
MISC TRANSPORTATION WORKERS	861	97800
MISCELLANEOUS INDUSTRY SPECIFIC WORKERS	332	53900
MISCELLANEOUS MECHANICS, INSTALLERS, REPAIRERS	549	85900
MISCELLANEOUS PROFESSIONALS, PARAPROFESSIONALS, TECHNICAL	266	39000
MISCELLANEOUS SECRETARIAL, GENERAL OFFICE OCCUPATIONS	343	55300
MOBILE EQUIPMENT MECHANICS, INSTALLERS, REPAIRERS	518	85300
MOBILE HEAVY EQUIPMENT MECHANICS--EX ENGINES	523	85314
MODELS	297	49036
MOLDERS AND CASTERS--HAND	815	93944
MOLDERS, SHAPERS--EX JEWELRY	679	89905
MOTION PICTURE PROJECTIONISTS	765	92905

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OCCUPATION	LINE NUMBER	CALIFORNIA OES CODE
MOTOR VEHICLE OPERATORS	835	97100
MOTOR VEHICLE OPERATORS, NEC	842	97199
MOTORBOAT OPERATORS	855	97511
MOTORCYCLE REPAIRERS	521	85308
MUNICIPAL CLERKS	326	53705
MUNICIPAL WORKERS	324	53700
MUSIC DIRECTORS, SINGERS, COMPOSERS	261	34047
MUSICAL INSTRUMENT REPAIRERS AND TUNERS	556	85921
MUSICIANS--INSTRUMENTAL	262	34051
NATURAL SCIENTISTS AND RELATED WORKERS	82	24000
NEW ACCOUNTS CLERKS	305	53105
NONELECTROLYTIC PLATING MACHINE OPERATORS	723	91926
NONELECTROLYTIC PLATING MACHINE SETTERS	722	91923
NUCLEAR ENGINEERS	58	22117
NUCLEAR MEDICINE TECHNOLOGISTS	236	32914
NUCLEAR TECHNICIANS & TECHNOLOGISTS	98	24508
NUMERICAL MACHINE TOOL OPERATORS--METAL, PLASTIC	705	91502
NUMERICAL TOOL, PROCESS PROGRAMMERS	108	25111
NURSE AIDES, ORDERLIES, ATTENDANTS	437	66008
NURSERY, GREENHOUSE MANAGER	18	15031
NURSING INSTRUCTORS, POSTSECONDARY	148	31114
OCCUPATIONAL THERAPISTS	214	32305
OCCUPATIONAL THERAPY ASSISTANTS & AIDES	441	66021
OCCUPATIONS NOT CLASSIFIED	911	
OFFICE MACHINE OPERATORS, NEC	367	56099
OFFICE MACHINE, CASH REGISTER SERVICERS	558	85926
OFFSET LITHOGRAPHIC PRESS SETTERS	740	92512
OIL PUMPERS--EXCEPT WELLHEAD	869	97908
OPERATING ENGINEERS	885	97956
OPERATIONS, SYSTEMS RESEARCHERS, ANALYSTS--EX COMPUTER	111	25302
OPTICAL GOODS WORKERS, PRECISION	683	89917
OPTICIANS--DISPENSING, MEASURING	225	32514
OPTOMETRISTS	207	32108
ORDER CLERKS--MATERIALS, SERVICE	350	55323
ORDER FILLERS--WHOLESALE, RETAIL SALES	389	58026
ORDINARY SEAMEN AND MARINE OILERS	857	97517
OTHER ELECTRICAL EQUIPMENT MECHANICS	537	85700
OTHER HAND WORKERS	800	93900
OTHER HEALTH PROFESSIONALS, PARAPROFESSIONALS, TECHNICIANS	230	32900
OTHER MANAGEMENT SUPPORT WORKERS	42	21900
OTHER PRECISION WORKERS	677	89900
OTHER PROFESSIONAL, PARAPROFESSIONAL, TECHNICAL	272	39999
OTHER SOCIAL SCIENCE RELATED WORKERS	124	27300
OTHER TEACHERS AND INSTRUCTORS	184	31300
PACKAGING, FILLING MACHINE OPERATORS, TENDERS	788	92974
PAINTERS AND RELATED WORKERS	586	87400
PAINTERS, PAPERHANGERS--CONSTRUCTION & MAINTENANCE	587	87402
PAINTERS, TRANSPORTATION EQUIPMENT	779	92947
PAINTING, COATING, DECORATING--HAND	816	93947
PAINTING, COATING, SPRAYING MACHINE OPERATORS, TENDERS	781	92953

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OCCUPATION	LINE NUMBER	CALIFORNIA OES CODE
PAINTING, COATING, SPRAYING MACHINE SETTERS	780	92951
PAPER GOODS MACHINE SETTERS, SET-UP OPERATORS	768	92914
PARALEGAL PERSONNEL	141	28305
PARKING ENFORCEMENT OFFICERS	407	63021
PARKING LOT ATTENDANTS	864	97808
PARKS, RECREATION, LEISURE, FITNESS STUDIES TEACHERS, POSTSEC	181	31258
PASTE-UP WORKERS	661	89706
PATTERN AND MODEL MAKERS—METAL	633	89114
PATTERN AND MODEL MAKERS—WOOD	643	89302
PATTERN MARKERS—WOOD	644	89305
PATTERNMAKERS AND LAYOUT WORKERS	650	89502
PATTERNMAKERS, MODEL MAKERS, LAYOUT	680	89908
PAVING, TAMPING-EQUIPMENT OPERATORS	600	87708
PAYROLL AND TIMEKEEPING CLERKS	356	55341
PERIPHERAL EDP EQUIPMENT OPERATORS	364	56014
PERSONAL SERVICE OCCUPATIONS	451	68000
PERSONAL, HOME CARE AIDES	463	68035
PERSONNEL CLERKS—EX PAYROLL AND TIMEKEEPING	347	55314
PERSONNEL, TRAINING, LABOR RELATIONS MANAGERS	4	13005
PERSONNEL, TRAINING, LABOR RELATIONS SPECIALISTS, NEC	41	21511
PERSONNEL, TRAINING, LABOR RELATIONS SPECIALISTS	37	21500
PEST CONTROLLERS AND ASSISTANTS	448	67008
PETRO REFINERY, CONTROL PANEL OPERATORS	826	95014
PETROLEUM ENGINEERS	56	22111
PETROLEUM PUMP SYSTEM OPERATORS	825	95011
PETROLEUM TECHNICIANS & TECHNOLOGISTS	99	24511
PHARMACISTS	226	32517
PHARMACY AIDES	443	66026
PHARMACY TECHNICIANS	227	32518
PHILOSOPHY & RELIGION TEACHERS, POSTSECONDARY	179	31254
PHOTOENGRAVERS	664	89712
PHOTOENGRAVING, LITHOGRAPHIC MACHINE OPERATORS	749	92545
PHOTOGRAPHERS	253	34023
PHOTOGRAPHIC PROCESS WORKER, PRECISION	682	89914
PHOTOGRAPHIC PROCESSING MACHINE OPERATORS, TENDERS	766	92908
PHYSICAL SCIENCE TEACHERS, POSTSECONDARY	154	31209
PHYSICAL SCIENTISTS	83	24100
PHYSICAL SCIENTISTS, NEC	88	24199
PHYSICAL THERAPISTS	215	32308
PHYSICAL THERAPY ASSISTANTS & AIDES	440	66017
PHYSICAL, LIFE SCIENCE TECHS	95	24500
PHYSICAL, LIFE SCIENCE TECHS, NEC	100	24599
PHYSICIAN ASSISTANTS	224	32511
PHYSICIANS AND SURGEONS	205	32102
PHYSICISTS AND ASTRONOMERS	84	24102
PHYSICS TEACHERS, POSTSECONDARY	153	31206
PILE DRIVING OPERATORS	599	87705
PILOTS—SHIP	854	97508
PIPELAYERS	591	87508
PIPELAYING FITTERS	590	87505

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OCCUPATION	LINE NUMBER	CALIFORNIA OES CODE
PLANT AND SYSTEM OCCUPATIONS	821	95000
PLANT AND SYSTEM OPERATORS, NEC	833	95099
PLASTERERS AND STUCCO MASONS	585	87317
PLASTIC MOLDING, CASTING MACHINE OPERATORS	716	91905
PLASTIC MOLDING, CASTING MACHINE SETTER	715	91902
PLATEMAKERS	668	89718
PLUMBERS AND RELATED WORKERS	588	87500
PLUMBERS, PIPEFITTERS, STEAMFITTERS	589	87502
PODIATRISTS	208	32111
POLICE AND DETECTIVE SUPERVISORS	397	61005
POLICE DETECTIVES	404	63011
POLICE PATROL OFFICERS	405	63014
POLITICAL SCIENCE TEACHERS, POSTSECONDARY	171	31236
PORTABLE MACHINE CUTTERS	810	93928
POSTAL MAIL CARRIERS	377	57305
POSTAL SERVICE CLERKS	378	57308
POSTMASTERS, MAIL SUPERINTENDENTS	9	15002
POSTSECONDARY TEACHERS	146	31100
POSTSECONDARY TEACHERS, NEC	183	31299
POWER DISTRIBUTORS AND DISPATCHERS	831	95028
POWER PLANT OPS--EX AUXILIARY EQUIPMENT	828	95021
POWER REACTOR OPERATORS	830	95026
POWERHOUSE, RELAY ELECTRICIANS	544	85721
PRESS MACHINE SETTERS--METAL, PLASTIC	698	91305
PRESSERS--DELICATE FABRICS	655	89517
PRESSERS--HAND	807	93921
PRESSING MACHINE OPERATORS, TENDERS--TEXTILE, GARMENT RELATED	762	92728
PRINTING PRESS MACHINE OPERATORS, TENDER	748	92543
PRINTING PRESS SETTERS, SET UP OPERATORS	739	92510
PRINTING PRESS SETTERS, SET-UP OPERATORS NEC	742	92519
PRINTING RELATED SETTERS, SET-UP OPERATORS, NEC	746	92529
PRINTING WORKERS, NEC--PRECISION	671	89799
PRINTING WORKERS, PRECISION	658	89700
PRINTING, BINDING, RELATED MACHINE OPERATORS, TENDERS	751	92549
PRINTING, BINDING, RELATED WORKERS	738	92500
PROCUREMENT CLERKS	351	55326
PRODUCERS, DIRECTORS, ACTORS	264	34056
PRODUCTION OCCUPATIONS, PRECISION	627	89000
PRODUCTION, CONSTRUCTION, OPERATING, MAINTENANCE, MATERIAL HANDLING	492	80000
PRODUCTION, PLANNING, EXPEDITING CLERKS	383	58008
PROFESSIONAL, PARAPROFESSIONAL, TECHNICAL	23	20000
PROOFREADERS AND COPY MARKERS	336	53911
PROPERTY, REAL ESTATE MANAGERS	12	15011
PROTECTIVE SERVICE OCCUPATIONS	400	63000
PROTECTIVE SERVICE WORKERS, NEC	417	63099
PRUNERS	485	79033
PSYCHIATRIC AIDES	439	66014
PSYCHIATRIC TECHNICIANS	242	32931
PSYCHOLOGISTS	122	27108
PSYCHOLOGY TEACHERS, POSTSECONDARY	172	31237

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PUBLIC ADMINISTRATION CHIEF EXECS, LEGISLATORS, GENERAL ADMIN	20	19002
PUBLIC RELATIONS SPECIALISTS, PUBLICITY WRITERS	248	34008
PUMP OPERATORS	884	97953
PUNCHING MACHINE SETTERS--METAL, PLASTIC	697	91302
PURCHASING AGENTS AND BUYERS	33	21300
PURCHASING AGENTS AND BUYERS--FARM PRODS	35	21305
PURCHASING AGENTS--EX WHOLESALE, RETAIL, FARM PRODUCTS	36	21308
PURCHASING MANAGERS	5	13008
RADIATION THERAPISTS	235	32913
RADIO MECHANICS	535	85514
RADIO OPERATORS	269	39008
RADIOLOGIC TECHNOLOGISTS	237	32919
RAIL CAR REPAIRERS	524	85317
RAIL TRANSPORTATION WORKERS	843	97300
RAIL VEHICLE OPERATIVES, NEC	850	97399
RAIL YARD ENGINEERS AND RELATED	846	97308
RAILROAD BRAKE, SIGNAL, SWITCH OPERATORS	849	97317
RAILROAD CONDUCTORS, YARDMASTERS	844	97302
RAILROAD, TRANSIT POLICE, SPECIAL AGENTS	413	63038
RAIL-TRACK LAYING, MAINTENANCE EQUIPMENT OPERATORS	602	87714
REAL ESTATE CLERKS	337	53914
RECEPTIONISTS, INFORMATION CLERKS	345	55305
RECREATION WORKERS	129	27311
RECREATIONAL THERAPISTS	218	32317
REFRACTORY MATERIALS REPAIRERS	515	85126
REFUSE & RECYCLABLE MATERIAL COLLECTORS	905	98705
REGISTERED NURSES	221	32502
REINFORCING METAL WORKERS	584	87314
RELIGIOUS WORKERS	130	27500
RELIGIOUS WORKERS, NEC	133	27599
REPORTERS AND CORRESPONDENTS	249	34011
RESERVATION, TRANSPORTATION TICKET AGENTS	330	53805
RESIDENTIAL COUNSELORS	127	27307
RESPIRATORY THERAPISTS	213	32302
RIGGERS	561	85935
ROASTING, BAKING, DRYING MACHINE OPERATORS--FOOD, TABACCO	770	92921
ROCK SPLITTERS, QUARRY	615	87908
ROLLING MACHINE SETTERS--METAL, PLASTIC	701	91314
ROOF BOLTERS	620	87923
ROOFERS	607	87808
ROTARY DRILL OPERATORS--OIL, GAS EXTRACTION	616	87911
ROUSTABOUTS	619	87921
SAFETY ENGINEERS--EXCEPT MINING	64	22132
SALES AGENTS, PLACERS--INSURANCE	277	43002
SALES AGENTS--ADVERTISING	284	43023
SALES AGENTS--FINANCIAL SERVICES	281	43014
SALES AGENTS--REAL ESTATE	279	43008
SALES AGENTS--SELECTED BUSINESS SERVICES	282	43017
SALES AND RELATED OCCUPATIONS	273	40000
SALES AND RELATED WORKERS, NEC	298	49999

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SALES ENGINEERS	287	49002
SALES REPRESENTATIVES, NON-SCIENTIFIC--EX RETAIL	289	49008
SALES REPRESENTATIVES, SALESPERSONS, SERVICES--NEC	285	43099
SALES REPRESENTATIVES, SCIENTIFIC--EX RETAIL	288	49005
SALES WORKERS--SERVICE	276	43000
SALESPERSONS, RETAIL	290	49011
SALESPERSONS--PARTS	291	49014
SAWING MACHINE OPERATORS AND TENDERS	735	92308
SAWING MACHINE SETTERS, SET-UP OPERATORS	733	92302
SAWING MACHINE TOOL SETTERS--METAL, PLAST	690	91102
SCANNER OPERATORS	666	89715
SCREEN PRINTING MACHINE SETTERS, SET-UP	744	92524
SECRETARIAL, GENERAL OFFICE	338	55000
SECRETARIES	339	55100
SECRETARIES, EX LEGAL AND MEDICAL	342	55108
SECRETARIES, LEGAL	340	55102
SECRETARIES, MEDICAL	341	55105
SELECTED ROAD, RAIL AND RELATED	597	87700
SEPARATING, STILL MACHINE OPERATORS, TENDERS	784	92962
SEPTIC TANK, SEWER PIPE CLEANERS	592	87511
SERVICE OCCUPATIONS	394	60000
SERVICE STATION ATTENDANTS	863	97805
SERVICE UNIT OPERATORS	618	87917
SERVICE WORKERS, NEC	467	69999
SEWERS--HAND	808	93923
SEWING MACHINE OPERATORS--GARMENT	758	92717
SEWING MACHINE OPERATORS--NON-GARMENT	759	92721
SHAMPOOERS	455	68011
SHEAR MACHINE SETTERS--METAL, PLASTIC	699	91308
SHEET METAL DUCT INSTALLERS	606	87805
SHEET METAL WORKERS	639	89132
SHERIFFS AND DEPUTY SHERIFFS	411	63032
SHIP ENGINEERS	858	97521
SHIPFITTERS	635	89121
SHIPPING, RECEIVING, TRAFFIC CLERKS	390	58028
SHOE AND LEATHER WORKERS--PRECISION	653	89511
SHOE SEWING MACHINE OPERATORS, TENDERS	760	92723
SHUTTLE CAR OPERATORS	878	97935
SIGNAL OR TRACK SWITCH MAINTAINERS	534	85511
SLAUGHTERERS AND BUTCHERS	673	89802
SMALL ENGINE SPECIALISTS	528	85328
SOCIAL SCIENCE TEACHERS, POSTSECONDARY	165	31230
SOCIAL SCIENCES TEACHERS, POSTSECONDARY	173	31239
SOCIAL SCIENTISTS, NEC	123	27199
SOCIAL SCIENTISTS, RECREATION, RELIGIOUS	118	27000
SOCIAL SCIENTISTS--INCLUDING URBAN, REGIONAL PLANNERS	119	27100
SOCIAL WORK TEACHERS, POSTSECONDARY	177	31247
SOCIAL WORKERS--EX MEDICAL, PSYCHIATRIC	126	27305
SOCIAL WORKERS--MEDICAL, PSYCHIATRIC	125	27302
SOLDERERS AND BRAZERS	806	93917

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SOLDERING, BRAZING MACHINE OPERATORS, TENDERS	712	91711
SOLDERING, BRAZING MACHINE SETTERS	711	91708
SPECIAL AGENTS--INSURANCE	39	21505
SPECIALTY MATERIALS PRINTING MACHINE SETTERS	743	92522
SPEECH PATHOLOGISTS, AUDIOLOGISTS	217	32314
SPOTTERS--DRY CLEANING	654	89514
SPRAYERS, APPLICATORS	486	79036
STATEMENT CLERKS	312	53126
STATION INSTALLERS--TELEPHONE	546	85726
STATIONARY ENGINEERS	832	95032
STATISTICAL CLERKS	352	55328
STATISTICIANS	113	25312
STENOGRAPHERS AND/OR COURT REPORTERS	344	55302
STEVEDORES--EX EQUIPMENT OPERATORS	904	98702
STOCK CLERKS--SALES FLOOR	293	49021
STOCK CLERKS--STOCKROOM, WAREHOUSE	388	58023
STONEMASONS	581	87305
STRIPPERS	667	89717
STRUCTURAL METAL WORKERS	609	87814
SUBWAY AND STREETCAR OPERATORS	848	97314
SURGICAL TECHNICIANS	241	32928
SURVEYING, MAPPING TECHS	80	22521
SURVEYORS, MAPPING SCIENTISTS	72	22311
SWITCHBOARD OPERATORS	370	57102
SYSTEMS ANALYSTS--ELECTRONIC DATA PROCESSING	103	25102
TANK CAR AND TRUCK LOADERS	868	97905
TAPERS	574	87111
TAX EXAMINERS, COLLECTORS, REVENUE AGENTS	47	21914
TAX PREPARERS	29	21111
TAXI DRIVERS AND CHAUFFEURS	840	97114
TEACHER AIDES, EDUCATIONAL ASSISTANTS, CLERICAL	334	53905
TEACHER AIDES, PARAPROFESSIONAL	202	31521
TEACHERS AND INSTRUCTORS, NEC	194	31399
TEACHERS, EDUCATORS, LIBRARIANS	145	31000
TEACHERS--ELEMENTARY SCHOOL	187	31305
TEACHERS--KINDERGARTEN	186	31304
TEACHERS--PRESCHOOL	185	31303
TEACHERS--SECONDARY SCHOOL	188	31308
TEACHERS--SPECIAL EDUCATION	189	31311
TEACHERS--VOCATIONAL EDUCATION AND TRAINING	190	31314
TECHNICAL ASSISTANTS--LIBRARY	197	31505
TECHNICAL WRITERS & EDITORS	247	34005
TELEGRAPH AND TELETYPE OPERATORS	373	57111
TELEGRAPH, TELETYPE INSTALLERS	533	85508
TELEMARKETERS, SOLICITORS & RELATED	295	49026
TELEPHONE, CABLE TELEVISION LINE INSTALLERS	538	85702
TELLERS	304	53102
TEXTILE BLEACHING, DYEING MACHINR OPERATORS	757	92714
TEXTILE DRAW-OUT MACHINE OPERATORS, TENDERS	756	92711
TEXTILE MACHINE SETTERS, SET-UP OPERATORS	753	92702

Alphabetical Index of Occupations

OCCUPATION	LINE NUMBER	CALIFORNIA OES CODE
TEXTILE OPERATORS,TENDERS--WINDING,TWISTING,KNITTING, WEAVING, CUTTING	754	92705
TEXTILE, APPAREL, FURNISHINGS, NEC--PREC	657	89599
TEXTILE, APPAREL, FURNISHINGS,PREC	649	89500
TEXTILE, RELATED SETTERS, OPERATORS	752	92700
THERAPISTS	212	32300
THERAPISTS, NEC	219	32399
TIMBER CUTTING AND LOGGING	471	73000
TIMBER CUTTING AND RELATED, NEC	476	73099
TIRE BUILDING MACHINE OPERATORS	767	92911
TIRE REPAIRERS AND CHANGERS	566	85953
TITLE EXAMINERS AND ABSTRACTORS	143	28311
TITLE SEARCHERS	142	28308
TOOL AND DIE MAKERS	629	89102
TOOL GRINDERS, FILERS, SHARPENERS	632	89111
TRAFFIC TECHNICIANS	268	39005
TRANSIT CLERKS	306	53108
TRANSPORTATION AGENTS	384	58011
TRANSPORTATION AND RELATED WORKERS, NEC	865	97899
TRANSPORTATION ATTENDANTS--EX FLIGHT ATTENDANTS	461	68028
TRANSPORTATION INSPECTORS	503	83008
TRANSPORTATION, MATERIAL MOVING EQUIPMENT OPERATORS, NEC	887	97999
TRANSPORTATION, MATERIAL MOVING MACHINE OPERATORS	834	97000
TRAVEL AGENTS	283	43021
TRAVEL CLERKS	329	53802
TRUCK DRIVERS, HEAVY	836	97102
TRUCK DRIVERS, LIGHT	837	97105
TYPESETTING, COMPOSING MACHINE OPERATORS	747	92541
TYPISTS, INCLUDING WORD PROCESSING	346	55307
UNDERGROUND MINE MACHINERY MECHANICS	511	85117
UNITED STATES MARSHALS	409	63026
UPHOLSTERERS	652	89508
URBAN AND REGIONAL PLANNERS	121	27105
USHERS, LOBBY ATTENDANTS	458	68021
VEHICLE WASHERS, EQUIPMENT CLEANERS	909	98905
VETERINARIANS AND VETERINARY INSPECTORS	210	32114
VETERINARY ASSISTANTS	488	79806
VETERINARY TECHNICIANS & TECHNOLOGISTS	243	32951
VOCATIONAL & EDUCATIONAL COUNSELOR	200	31514
WAITERS AND WAITRESSES	421	65008
WARDROBE, LOCKER, DRESSING ROOM ATTENDANTS	462	68032
WATCH ASSEMBLERS, RELATED--PRECISION	798	93117
WATCHMAKERS	555	85917
WATER TRANSPORTATION WORKERS	851	97500
WATER TREATMENT PLANT OPERATORS	822	95002
WEIGHERS, MEASURERS--RECORDKEEPING	386	58017
WELDERS AND CUTTERS	805	93914
WELDING MACHINE OPERATORS AND TENDERS	710	91705
WELDING MACHINE SETTERS, SET-UP OPERATORS	709	91702
WELFARE ELIGIBLE WORKERS, INTERVIEWERS	321	53502
WELLHEAD PUMPERS	870	97911

Alphabetical Index of Occupations

OCCUPATION	LINE NUMBER	CALIFORNIA OES CODE
WHOLESALE, RETAIL BUYERS--EX FARM PRODUCTS	34	21302
WOOD MACHINISTS	645	89308
WOODWORKERS, NEC--PRECISION	648	89399
WOODWORKERS, PRECISION	642	89300
WOODWORKING MACHINE OPERATORS,TENDERS--EX SAWING	737	92314
WOODWORKING MACHINE SETTERS, OPERATORS	732	92300
WOODWORKING MACHINE SETTERS--EX SAWING	736	92311
WORKERS, PRECISION--NEC	687	89999
WRITERS AND EDITORS	246	34002
WRITERS, ARTISTS, ENTERTAINERS, ATHLETES	245	34000

Standard Industrial Classification Manual

The Standard Industrial Classification (SIC) is a nationally standardized system for identifying and coding business establishments according to their industrial activity. An "establishment" is an economic unit, generally located at a single physical location, where business is conducted or where services or industrial operations are performed. The Standard Industrial Classification (SIC) Manual is the reference guide used to accurately apply and/or understand the classification coding system.

The SIC Manual's format separates industries into ten broad divisions, such as manufacturing and retail trade. Within those broad groupings are more specific two-digit codes, as well as more detailed three-digit and four-digit codes, that identify specific industries. Brief narratives describe the kinds of establishments contained in each classification category.

Suggestions for Users

The SIC Manual facilitates the collection, analysis and publication of information about business establishments. This standardized system is used throughout the United States to promote uniformity in the publications of private and governmental agencies. The Employment Development Department's field office personnel use the manual to assign SIC codes to employers to aid in providing services. Trade associa-

tions and private industry use the manual in reference books, such as the California Manufacturers Register.

The manual can help one to understand the composite industries summarized in publications. However, all public sector workers are usually grouped together into a category called "government", which includes federal, state and local government, and state and local education.

The U.S. Department of Labor, Occupational Safety and Health Administration provides SIC information on the Internet at <http://www.osha.gov/oshstats/sicser.html>

The SIC Manual may be purchased from U.S. Government Bookstores, Bureau of Labor Statistics, or the Superintendent of Documents in Los Angeles or San Francisco. For information about purchasing this manual, contact:

U.S. Government Bookstore
Marathon Plaza, Room 141-S
303 2nd Street
San Francisco, CA 94107
Phone - (415) 512-2770
Fax - (415) 512-2776
<http://access.gpo.gov>

North American Industry Classification System

The United States has a new industry classification system. The North American Industry Classification System (NAICS) will soon replace the U.S. Standard Industrial Classification (SIC) system.

NAICS is the first-ever North American Industry classification system. The system was developed by the U.S., Canada, and Mexico to provide comparable statistics across the three countries. For the first time, government and business analysts will be able to compare directly industrial production statistics collected and published in the three North American Free Trade Agreement countries.

NAICS will reshape the way we view our changing economy. It is a unique, all-new system for classifying business establishments. It is the first economic classification system to be constructed based on a single economic concept. Economic units that use like processes to produce goods or services are grouped together. This "production-oriented" system means that statistical agencies in the United States will produce data that can be used for:

- measuring productivity, unit labor costs, and the capital intensity of production;
- constructing input-output relationships and;
- estimating employment-output relationships and other such statistics that require that inputs and outputs be used together.

NAICS responds to increasing and serious criticism about the SIC. NAICS reflects the structure of today's economy in the United States, Canada, and Mexico, including the emergence and growth of the service sector and new and advanced technologies. It is a flexible system that allows each country to recognize important industries below the level at which comparable data will be shown for all three countries.

The 1997 Economic Census will provide the first official NAICS-based statistics. Advance statistics will appear in early 1999. A report in 2000 will show relationships between NAICS and SIC industries.

Implementation by Federal agencies will be in phases. Some agency programs will convert to NAICS as early as 1999, others as late as 2004.

How is NAICS better?

NAICS will make economic statistics more useful. It will improve basic benchmark and current performance statistics, like manufacturers' shipments, retail sales, and service receipts. It will improve statistics by providing an all-new industry classification system that is more:

Relevant. NAICS identifies new industries, revises concepts, and reorganizes classifications so that industry-classified statistics highlight businesses that contribute most to our economy.

Consistent. NAICS classifies businesses into industries based on one principle instead of several; the principle that businesses using similar production processes are classified together.

Comparable. NAICS provides first-ever comparability in North American industry classifications and economic statistics.

Flexible. NAICS classifications will be updated regularly to keep pace with changes in our economy; every 5 years, all three North American countries will review NAICS and make needed revisions.

How NAICS will affect the economic data you use.

Every sector of the economy has been restructured and redefined:

- A new *Information* sector combines communications, publishing, motion picture and sound recording, and online services, recognizing our information-based economy.
- *Manufacturing* is restructured to recognize new high-tech industries. A new subsector is devoted to computers and electronics, including reproduction of software.
- *Retail Trade* is redefined. In addition, eating and drinking places are transferred to a new *Accommodation and Food Services* sector.
- The difference between *Retail* and *Wholesale* is now based on how each store conducts business. For example, many computer stores are reclassified from wholesale to retail.
- Nine new service sectors and 250 new service industries are recognized.

All new numbering system

Numeric codes for each NAICS classification are completely different from those of the SIC. The new numbering system underscores the "clean slate" approach taken in NAICS and allows its classification changes to be fully developed. The new system provides five levels of classification (up from four in the SIC), detailed codes that have a maximum of six-digits (up from four in the SIC) and detailed classifications called "U.S. Industry" (instead of "Industry" in the SIC). These changes require new numbers, even for industries that continue without change. For example, both NAICS and SIC include the detailed industry, "Passenger car rental." However, in NAICS, it has code number 532111, and in the SIC, it was code number 7514. While all NAICS numeric codes are new, like the SIC, they are organized into multi-level hierarchical classification groups that build up from the detailed industry level. The additional level of classification and expanded number of digits permit NAICS to account for the increased number of classifications, provide flexibility in structuring industry classification groups, and allow for country-based variations in classification detail.

A variety of information resources are available to help users of business statistics understand and use NAICS. Additional information, answers to frequently asked questions, and updated agency implementation plans are available at the Census Bureau's Internet site:

www.census.gov/naics

Answers to specific classification and data program inquiries may also be addressed to industry experts at:

Phone: 1-888-75NAICS

E-mail: naics@census.gov

Projection Methods And Economic Assumptions

The employment projection process consists of two phases – first, projections for employment by industry are made using both historical data and current information about the economy. Next, the industry projections become a primary data source used to project changes in occupational employment.

Changes in occupational employment over time result from two principal sources: industry growth and technological change. In developing occupational employment projections, both of these components must be addressed.

The following is a discussion of how industry and occupational projections are developed, beginning with a description of data sources and followed by a description of the steps involved.

Principal Data Sources

Employment by Industry

The source of the official historical industry employment series used for industry projections for the state and each county is the Current Employment Statistics (CES) program. This is a Federal/State co-operative program that compiles monthly estimates of industry employment groupings for the state and each county. These monthly industry employment estimates are based primarily on employer sample surveys.

A second source used in industry forecasts is the Covered Employment and Wage Data, or ES-202 program. Essentially, this program extracts employment and wage information from quarterly tax returns filed by each California employer covered by unemployment insurance. Each employer has been assigned a specific industry and county code and these data are compiled to provide the 'actual' industry employment levels for each industry and county. These data are then used for benchmarking the monthly industry employment

estimates made in the CES program. This is also a Federal/State co-operative program.

Employment by Occupation

Occupational employment estimates are based on survey data collected through the Occupational Employment Statistics (OES) program. The OES survey is an annual mail survey of non-farm employers conducted by the Employment Development Department in cooperation with the U.S. Bureau of Labor Statistics. The survey is based on a sample designed to represent the universe of employers in each state. In California, data are collected for over 800 occupations at the three-digit SIC level of detail. The survey samples approximately 110,000 business establishments over a three year period.

The Process

Industry Projections

Industry projections are first developed at aggregated levels (industry groupings) for the state and each county based on the Current Employment Statistics employment series.

Second, these aggregated industry projections are then broken down into more industry specific detail using the ES-202 data. The industry specific projections then become the primary source from which occupational projections are developed by using industry staffing patterns data. The following steps outline the process:

- Approximately every two years, industry employment projections are produced for the nation by the Bureau of Labor Statistics.
- Industry projections are then developed for the State using input from the national forecast and the historical industry employment series for the State.

- County industry projections are then developed using input from the state forecast and the historical employment series for each county.
- State projections are developed for ten years from the base period and county projections are developed for seven years from the base period.
- The State forecasts are reviewed by Labor Market Information Division (LMID) industry analysts, California's Department of Finance, and academics.
- County forecasts are reviewed by local area consultants who provide up to date information regarding recent developments in each county that would not normally be accounted for in the model.

Occupational Projections

The distribution of industry employment by occupation is performed in three steps.

- OES survey responses are summarized by industry and matched with the appropriate SIC in the area. (In cases where local OES responses are not available, either state-wide responses or another area's responses are substituted.)
- The survey data are adjusted to total to the annual average employment level for each industry. This results in estimates of employment by occupation within the three-digit SICs for the base year.
- Finally, base year staffing patterns are adjusted to account for projected shifts in the occupational distributions due to technological changes. These projected changes are derived from special studies conducted by the U.S. Bureau of Labor Statistics. Applying these changes to the base year staffing patterns results in staffing patterns by three-digit SIC for the projected year. Projected year staffing patterns are applied to the industry employment projections to pro-

duce occupational employment projections within three-digit SICs. Data by occupation are then summed to get the occupational estimates. The difference between the base year occupation estimates and the projected year projections represents the job growth resulting from industry growth and from technological change. (Change factors do not try to predict regulatory changes.)

Demand for workers is also created by openings that result when workers leave their jobs to enter other occupations, retire, or leave the labor force for other reasons. These openings, termed *separations*, are important because, in most occupations, they exceed job openings resulting from employment growth. Even occupations that are projected to decline usually provide job openings due to separations. Separations are developed from separation rates compiled on a national basis every two years by the Bureau Of Labor Statistics.

Economic Assumptions

The industry and occupational projections in this report are based on the following assumptions:

- ✓ The institutional framework of the U.S. economy will not change radically.
- ✓ Recent technological and scientific trends will continue.
- ✓ The long-term employment patterns will continue in most industries.
- ✓ Federal, state, and local government agencies will continue to operate under budgetary constraints.
- ✓ No major events, such as war, will occur that will significantly alter the industrial structure of the economy, the occupational staffing patterns, or the rate of long-term growth.
- ✓ Population growth rates and age distributions will not differ significantly from Department of Finance projections presently available.
- ✓ Attitudes toward work, education, income, and leisure will not change significantly.

Projections & Planning Information

Module E:

Wages

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Occupational Employment Statistics Wage Survey

The Occupational Employment Statistics (OES) survey is an annual mail survey measuring occupational employment and occupational wage rates for wage and salary workers in nonfarm establishments by industry. The survey samples approximately 37,000 establishments per year, taking 3 years to fully collect the sample of 113,000 establishments in California.

The 2000 OES survey is the second year to use the new Standard Occupational Classification (SOC) system to identify occupational categories. These survey samples are based only on two years of data collected in the 1999 and 2000 survey. Surveys prior to 1999 used the Occupational Employment Statistics (OES) classification system. Of the nearly 770 SOC occupations, 374 are a direct match with the OES classification system definitions. The rest are newly defined SOC occupations. The SOC structure and definitions can be found at the Bureau of Labor Statistics (BLS) SOC website at www.bls.gov.

The wage data for all occupations have been updated to the third quarter of 2001 by applying the Employment Cost Index of the 2000 SOC wage database. The occupational employment estimates are for 2000. A more complete set of technical notes for the 2000 OES survey is available at the BLS website.

'Employment' Definition

The OES survey defines employment as the number of workers who can be classified as full-time or part-time employees; workers on paid vacations or other types of leave; workers on unpaid or short-term absences; salaried officers, executives, and staff members of incorporated firms; employees temporarily assigned to other units; and employees for whom the reporting unit is their permanent duty station, regardless of whether that unit prepares their paycheck. The survey excludes the self-employed, owners/partners of unincorporated firms, and unpaid family workers. Employees are reported in the occupation in which they are working, not necessarily for which they were trained.

Business Establishment Description

The OES survey uses the Standard Industrial Classification (SIC) system to classify all an economic unit which processes goods or provides services, such as a factory or store. The establishment is generally at a single physical location and is engaged primarily in one type of economic activity.

The scope of the survey includes establishments in SIC codes 07, 10, 12 to 17, 20 to 42, 44 to 65, 67, 70, 72, 73, 75, 76, 78 to 84, 86, 87, and 89 covering agricultural services; mining; construction; manufacturing; transportation and public utilities; wholesale and retail trade; finance, insurance, and real estate; services; and government.

Source of Sample Selection

The California Unemployment Insurance (UI) file provided the universe from which the OES survey draws its sample. The employment benchmark was obtained from reports submitted by employers to the UI program. In some nonmanufacturing industries, supplemental sources are used for establishments not reporting to the UI program.

The OES survey frame is stratified by area, industry and size class. Size classes are defined as follows:

Size Class	Number of Employees
1	1 to 4
2	5 to 9
3	10 to 19
4	20 to 49
5	50 to 99
6	100 to 249
7	250 and above

UI reporting units with 250 or more employees are sampled with certainty across a 3-year period. Generally, one-third of the certainty units are sampled each year in each state. There are some states that sample more than one-third of their certainty units during one survey year.

Terms and Concepts

Employment represents the estimate of total wage and salary employment in an occupation across the industries in which it was surveyed. The OES survey form contains between 50 and 225 SOC occupations selected on the basis of the industry classification and size of the sampled establishments. To reduce paperwork and respondent burden, no survey form contains every SOC occupation. Thus, data for specific occupations are collected from establishments within industries that are the predominant employers of labor in those occupations.

Wages for the OES survey are straight-time gross pay, exclusive of premium pay. Included are base rate, cost-of-living allowances, guaranteed pay, hazardous duty pay, incentive pay including commissions and production bonuses, tips, and on-call pay. Excluded are back pay, jury duty pay, overtime pay, severance pay, shift differentials, non-production bonuses, employer cost of supplementary benefits, and tuition reimbursements.

The OES survey collects wage data in 12 intervals. Employers report the number of employees in an occupation per each wage range. The wage intervals are as follows:

<u>Interval</u>	<u>Hourly Wage</u>	<u>Annual Wage</u>
A	Under \$6.75	Under \$14,040
B	\$6.75 to 8.49	\$14,040 to 17,679
C	\$8.50 to 10.74	\$17,680 to 22,359
D	\$10.75 to 13.49	\$22,360 to 28,079
E	\$13.50 to 16.99	\$28,080 to 35,359
F	\$17.00 to 21.49	\$35,360 to 44,719
G	\$21.50 to 27.24	\$44,720 to 56,679
H	\$27.25 to 34.49	\$56,680 to 71,759
I	\$34.50 to 43.74	\$71,760 to 90,999
J	\$43.75 to 55.49	\$91,000 to 115,439
K	\$55.50 to 69.99	\$115,440 to 145,599
L	\$70.00 and over	\$145,600 and over

Wages are calculated using wage data from establishments in the industries that are the predominant employers of an occupation. Industries that do not typically employ workers in a given occupation are not included in the calculation of the mean and median wage.

Mean Hourly Wage is the estimated total wages for an occupation divided by its weighted survey employment. When the wages for an occupation are concentrated in the upper wage interval, it is not possible to calculate a reliable mean. In those instances, both the mean hourly wage and the mean annual wage are replaced by a "(3)" and the user is referred to the appropriate footnote. There are a small number of occupations where only an annual wage figure is provided; the workers in these occupations are generally paid on an annual basis, and their annual wage has been directly calculated from the reported survey data. Occupations that typically have a work-year of less than 2,080 hours include musical and entertainment occupations, aircraft pilots, flight attendants, and teachers. These occupations are identified in the data tables with "(2)" in the hourly wage cells.

Median Hourly Wage is the estimated 50th percentile of the distribution of wages; 50 percent of workers in an occupation earn wages below the median wage, and 50 percent earn wages above the median wage.

Entry-Level Hourly Wage is the mean of the first third of the wage distribution. This calculation is provided as a proxy for an entry-level wage.

First Quartile Wage is the estimated 25th percentile of the distribution of wages; 25 percent of workers in an occupation earn wages below the first quartile wage, and 75 percent earn wages above the first quartile wage.

Third Quartile Wage is the estimated 75th percentile of the distribution of wages; 75 percent of workers in an occupation earn wages below the third quartile wage, and 25 percent earn wages above the third quartile wage.

Metropolitan Area The general concept of a metropolitan area (MA) is one of a large population nucleus, together with adjacent communities that have a high degree of economic and social integration with that nucleus. Some MAs are defined around two or more nuclei. The MAs are designated and defined by the Federal Office of Management and Budget, following a set of official published standards. These standards were developed by

the Interagency Federal Executive Committee on Metropolitan Areas, with the aim of producing definitions that are as consistent as possible for all MAs nationwide.

Metropolitan Statistical Area (MSA) A MSA comprises one or more central counties. A MSA also may include one or more outlying counties that have close economic and social relationships with the central county. An outlying county must have a specified level of commuting to the central counties and also must meet certain standards regarding metropolitan character, such as population density, urban population, and population growth. The title of a MSA contains the name of its largest city and up to two additional city names, provided that the additional places meet specified levels of population, employment and commuting. Generally a city of 250,000 or more is in the title, regardless of other criteria.

Primary Metropolitan Statistical Area (PMSA) The criteria that designates and defines a MSA also designates and defines a PMSA. If an area that qualifies as a MA has more than one million persons, primary metropolitan statistical areas (PMSAs) may be defined within it. PMSAs consist of a large urbanized county or cluster of counties that demonstrate very strong internal economic and social links, in addition to close ties to other portions of the larger area. The title of a PMSA may contain up to three place names, or up to three county names, sequenced in order of population.

Consolidated Metropolitan Statistical Area (CMSA) A CMSA consists of two or more Primary Metropolitan Statistical Areas (PMSAs).

Occupational Employment Statistics (OES) Survey Results

Oakland PMSA

Alameda & Contra Costa Counties

These survey data are from the 2001 Occupational Employment Statistics (OES) survey. The wages have all been updated to the third quarter of 2002 by applying the US Department of Labor's Employment Cost Index to the 2001 wages. Occupations are classified using the Standard Occupational Classification (SOC) codes. For details of the methodology, see the Overview of the OES Survey at [http://www.calmis.ca.gov/file/occup\\$/oes\\$.htm](http://www.calmis.ca.gov/file/occup$/oes$.htm)

(Sorted by Occupational Title)

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
13-2011	Accountants and Auditors	\$19.06	\$28.66	\$21.38	\$26.56	\$34.22
15-2011	Actuaries	\$25.95	\$45.38	\$30.11	\$42.07	\$58.46
23-1021	Administrative Law Judges, Adjudicators, and Hearing Officers	\$17.48	\$25.82	\$19.77	\$23.91	\$27.22
11-3011	Administrative Services Managers	\$18.24	\$32.49	\$21.57	\$30.16	\$42.12
25-3011	Adult Literacy, Remedial Education, and GED Teachers and Instructors	\$16.82	\$25.28	\$18.21	\$21.65	\$32.12
11-2011	Advertising and Promotions Managers	\$19.11	\$36.68	\$22.61	\$33.53	\$46.47
41-3011	Advertising Sales Agents	\$14.42	\$26.40	\$16.25	\$24.42	\$31.59
17-3021	Aerospace Engineering and Operations Technicians	\$22.98	\$27.49	\$24.17	\$26.50	\$29.07
19-4011	Agricultural and Food Science Technicians	\$11.26	\$16.57	\$12.69	\$15.67	\$19.40
19-1010	Agricultural and Food Scientists	\$19.64	\$28.38	\$22.42	\$28.51	\$33.73
45-2091	Agricultural Equipment Operators	\$8.25	\$11.65	\$8.69	\$10.15	\$13.88
45-2011	Agricultural Inspectors	\$6.75*	\$12.95	\$6.75*	\$14.77	\$17.04
53-2021	Air Traffic Controllers	\$35.64	\$48.41	\$44.14	\$50.81	\$58.11
49-3011	Aircraft Mechanics and Service Technicians	\$18.26	\$23.05	\$20.87	\$23.96	\$26.35

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
27-1099	All Other Art and Design Workers	\$10.95	\$19.27	\$12.67	\$18.89	\$22.96
37-9099	All Other Building and Grounds Cleaning and Maintenance Workers	\$8.78	\$14.51	\$10.30	\$14.39	\$17.94
47-4999	All Other Construction Trades and Related Workers	\$13.38	\$21.99	\$15.51	\$22.58	\$29.03
21-9099	All Other Counselors, Social and Religious Workers	\$11.99	\$17.83	\$13.28	\$18.06	\$20.93
17-3099	All Other Drafters, Engineering, and Mapping Technicians	\$11.62	\$21.82	\$13.96	\$23.49	\$28.08
49-2099	All Other Electrical and Electronic Equipment Mechanics, Installers, and Repairers	\$11.44	\$18.78	\$12.89	\$18.86	\$23.36
43-4999	All Other Financial, Information, and Record Clerks	\$11.54	\$18.17	\$13.15	\$17.57	\$21.56
51-3099	All Other Food Processing Workers	\$7.17	\$10.82	\$7.39	\$10.43	\$13.61
29-9199	All Other Health Professionals and Technicians	\$12.81	\$21.09	\$15.89	\$20.23	\$25.91
23-9099	All Other Legal and Related Workers	\$13.46	\$18.14	\$14.30	\$17.02	\$20.64
43-5199	All Other Material Recording, Scheduling, Dispatching, and Distributing Workers	\$12.07	\$16.42	\$13.15	\$15.83	\$19.02
51-5099	All Other Printing Workers	\$7.00	\$9.79	\$7.20	\$9.33	\$11.36
43-9999	All Other Secretaries, Administrative Assistants, and Other Office Support	\$9.40	\$15.13	\$10.68	\$14.44	\$18.37
25-3999	All Other Teachers, Primary, Secondary, and Adult	(2)	(2)	(2)	(2)	(2)
39-3091	Amusement and Recreation Attendants	\$6.75*	\$8.95	\$7.13	\$8.22	\$9.73
39-2011	Animal Trainers	\$7.01	\$12.85	\$7.30	\$8.56	\$19.20
27-3010	Announcers	\$8.56	\$14.95	\$10.06	\$14.08	\$18.66
25-1061	Anthropology and Archeology Teachers, Postsecondary	(2)	(2)	(2)	(2)	(2)
13-2021	Appraisers and Assessors of Real Estate	\$18.52	\$29.62	\$23.17	\$27.72	\$34.79

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
23-1022	Arbitrators, Mediators, and Conciliators	\$22.89	\$32.58	\$24.75	\$29.90	\$38.89
17-1011	Architects, Except Landscape and Naval	\$19.68	\$28.94	\$20.80	\$26.70	\$34.80
17-3011	Architectural and Civil Drafters	\$9.98	\$20.07	\$10.34	\$21.81	\$27.09
17-0000	Architecture and Engineering Occupations	\$19.51	\$31.41	\$23.34	\$30.28	\$38.69
25-1031	Architecture Teachers, Postsecondary	(2)	(2)	(2)	(2)	(2)
25-4010	Archivists, Curators, and Museum Technicians	\$14.26	\$20.03	\$15.57	\$18.93	\$22.52
25-1062	Area, Ethnic, and Cultural Studies Teachers, Postsecondary	(2)	(2)	(2)	(2)	(2)
27-1011	Art Directors	\$16.96	\$28.06	\$17.89	\$21.87	\$37.86
27-0000	Arts, Design, Entertainment, Sports, and Media Occupations	\$11.93	\$23.95	\$14.71	\$21.24	\$30.21
51-2099	Assemblers and Fabricators, All Other	\$8.66	\$12.27	\$9.81	\$12.30	\$14.70
29-9091	Athletic Trainers	(2)	(2)	(2)	(2)	(2)
19-2021	Atmospheric and Space Scientists	\$20.03	\$32.70	\$22.29	\$36.79	\$42.38
25-1051	Atmospheric, Earth, Marine, and Space Sciences Teachers, Postsecondary	(2)	(2)	(2)	(2)	(2)
27-4011	Audio and Video Equipment Technicians	\$14.97	\$26.25	\$19.54	\$30.28	\$33.47
29-1121	Audiologists	\$24.54	\$28.46	\$25.78	\$28.93	\$32.42
25-9011	Audio-Visual Collections Specialists	\$12.26	\$15.97	\$14.63	\$16.45	\$18.09
49-3021	Automotive Body and Related Repairers	\$11.50	\$20.65	\$13.87	\$20.20	\$26.09
49-3023	Automotive Service Technicians and Mechanics	\$10.04	\$15.08	\$10.28	\$11.88	\$18.80
39-6011	Baggage Porters and Bellhops	\$6.75*	\$9.50	\$6.98	\$7.98	\$9.91
51-3011	Bakers	\$7.16	\$11.67	\$7.74	\$10.74	\$15.15

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
35-3011	Bartenders	\$6.75*	\$7.18	\$6.75*	\$6.75*	\$7.10
49-3091	Bicycle Repairers	\$8.17	\$9.59	\$8.32	\$9.25	\$10.84
43-3011	Bill and Account Collectors	\$11.31	\$16.03	\$13.01	\$15.86	\$18.64
43-3021	Billing and Posting Clerks and Machine Operators	\$11.64	\$15.72	\$12.94	\$15.68	\$18.09
51-5011	Bindery Workers	\$10.19	\$14.82	\$11.81	\$14.08	\$17.46
19-1021	Biochemists and Biophysicists	\$20.56	\$36.72	\$22.21	\$35.97	\$47.07
25-1042	Biological Science Teachers, Postsecondary	(2)	(2)	(2)	(2)	(2)
19-4021	Biological Technicians	\$13.53	\$19.97	\$14.88	\$18.99	\$23.66
17-2031	Biomedical Engineers	\$25.90	\$34.65	\$28.50	\$33.37	\$42.23
43-3031	Bookkeeping, Accounting, and Auditing Clerks	\$12.12	\$17.67	\$14.03	\$17.34	\$21.16
47-2021	Brickmasons and Blockmasons	\$15.03	\$23.05	\$17.52	\$21.94	\$28.76
27-4012	Broadcast Technicians	\$12.38	\$20.25	\$16.61	\$21.37	\$25.55
43-4011	Brokerage Clerks	\$12.21	\$18.23	\$13.79	\$16.97	\$20.78
13-2031	Budget Analysts	\$23.57	\$33.53	\$26.36	\$32.27	\$39.99
37-0000	Building and Grounds Cleaning and Maintenance Occupations	\$7.97	\$12.62	\$8.70	\$11.34	\$15.55
49-3031	Bus and Truck Mechanics and Diesel Engine Specialists	\$15.93	\$22.24	\$17.78	\$21.99	\$26.52
53-3022	Bus Drivers, School	\$10.19	\$13.43	\$11.31	\$13.43	\$15.77
13-0000	Business and Financial Operations Occupations	\$16.75	\$29.07	\$20.02	\$26.79	\$35.13
13-1199	Business Operations Specialists, All Other	\$16.12	\$27.71	\$19.79	\$26.63	\$34.67
25-1011	Business Teachers, Postsecondary	(2)	(2)	(2)	(2)	(2)

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
51-3021	Butchers and Meat Cutters	\$10.82	\$16.00	\$14.78	\$16.80	\$19.10
51-7011	Cabinetmakers and Bench Carpenters	\$9.53	\$16.83	\$11.33	\$16.13	\$23.08
27-4031	Camera Operators, Television, Video, and Motion Picture	\$22.42	\$28.73	\$25.89	\$29.90	\$33.23
29-2031	Cardiovascular Technologists and Technicians	\$17.43	\$21.76	\$18.87	\$21.01	\$23.77
43-5011	Cargo and Freight Agents	\$11.58	\$17.80	\$12.55	\$15.50	\$21.49
47-2031	Carpenters	\$14.32	\$23.07	\$17.37	\$22.85	\$29.95
47-2041	Carpet Installers	\$14.83	\$21.96	\$15.64	\$21.73	\$28.10
17-1021	Cartographers and Photogrammetrists	\$16.62	\$23.23	\$17.55	\$22.40	\$26.73
41-2011	Cashiers	\$6.97	\$9.97	\$7.29	\$8.50	\$11.16
47-2051	Cement Masons and Concrete Finishers	\$15.27	\$23.51	\$17.52	\$24.14	\$27.31
51-9191	Cementing and Gluing Machine Operators and Tenders	\$9.94	\$14.31	\$11.37	\$14.80	\$17.35
35-1011	Chefs and Head Cooks	\$10.45	\$19.07	\$12.52	\$18.67	\$24.22
17-2041	Chemical Engineers	\$23.55	\$38.82	\$27.08	\$36.66	\$46.42
51-9011	Chemical Equipment Operators and Tenders	\$10.99	\$16.10	\$12.63	\$16.45	\$19.98
51-8091	Chemical Plant and System Operators	\$18.31	\$23.03	\$19.97	\$23.96	\$27.02
19-4031	Chemical Technicians	\$11.61	\$17.97	\$12.71	\$16.95	\$21.91
25-1052	Chemistry Teachers, Postsecondary	(2)	(2)	(2)	(2)	(2)
19-2031	Chemists	\$17.60	\$28.05	\$19.95	\$27.39	\$34.24
11-1011	Chief Executives	\$39.08	(3)	\$49.13	\$61.79	>\$70.00
39-9011	Child Care Workers	\$7.16	\$9.73	\$7.61	\$8.86	\$11.32

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
21-1021	Child, Family, and School Social Workers	\$9.44	\$15.57	\$11.04	\$16.01	\$19.67
29-1011	Chiropractors	\$20.64	\$37.08	\$21.57	\$38.75	\$43.44
27-2032	Choreographers	\$12.21	\$21.77	\$14.39	\$21.28	\$26.63
17-3022	Civil Engineering Technicians	\$16.45	\$22.44	\$17.49	\$22.36	\$26.66
17-2051	Civil Engineers	\$24.62	\$33.85	\$26.95	\$32.60	\$41.05
13-1031	Claims Adjusters, Examiners, and Investigators	\$16.57	\$25.58	\$18.71	\$24.58	\$32.82
53-7061	Cleaners of Vehicles and Equipment	\$6.87	\$10.17	\$7.27	\$9.26	\$12.24
51-9192	Cleaning, Washing, and Metal Pickling Equipment Operators and Tenders	\$9.68	\$13.98	\$10.58	\$13.26	\$18.02
21-2011	Clergy	\$9.70	\$20.07	\$10.82	\$15.95	\$26.31
27-2022	Coaches and Scouts	(2)	(2)	(2)	(2)	(2)
51-9121	Coating, Painting, and Spraying Machine Setters, Operators, and Tenders	\$9.48	\$14.20	\$10.52	\$12.89	\$17.33
51-2021	Coil Winders, Tapers, and Finishers	\$9.24	\$14.20	\$10.64	\$13.59	\$17.13
49-9091	Coin, Vending, and Amusement Machine Servicers and Repairers	\$17.77	\$19.49	\$18.50	\$19.99	\$21.46
35-3021	Combined Food Preparation and Serving Workers, Including Fast Food	\$6.75*	\$7.86	\$6.75*	\$7.36	\$8.46
27-1021	Commercial and Industrial Designers	\$17.11	\$25.21	\$19.41	\$25.08	\$28.52
43-2099	Communications Equipment Operators, All Other	\$8.38	\$13.33	\$8.41	\$9.29	\$16.18
25-1122	Communications Teachers, Postsecondary	(2)	(2)	(2)	(2)	(2)
21-0000	Community and Social Services Occupations	\$10.71	\$18.59	\$12.67	\$17.52	\$23.25
13-1072	Compensation, Benefits, and Job Analysis Specialists	\$19.97	\$27.92	\$22.39	\$27.02	\$33.53

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
13-1041	Compliance Officers, Except Agriculture, Construction, Health and Safety, and Transportati	\$14.22	\$25.37	\$15.62	\$21.60	\$32.23
15-1011	Computer and Information Scientists, Research	\$28.94	\$42.66	\$33.03	\$41.02	\$51.72
11-3021	Computer and Information Systems Managers	\$31.90	\$46.30	\$36.93	\$45.93	\$57.47
15-0000	Computer and Mathematical Occupations	\$22.04	\$35.13	\$25.73	\$34.59	\$43.32
17-2061	Computer Hardware Engineers	\$30.55	\$44.10	\$33.11	\$41.53	\$56.23
43-9011	Computer Operators	\$12.25	\$18.05	\$13.53	\$17.67	\$21.15
15-1021	Computer Programmers	\$24.72	\$36.64	\$28.04	\$36.62	\$44.55
25-1021	Computer Science Teachers, Postsecondary	(2)	(2)	(2)	(2)	(2)
15-1031	Computer Software Engineers, Applications	\$30.15	\$41.48	\$33.91	\$40.49	\$49.50
15-1032	Computer Software Engineers, Systems Software	\$27.00	\$39.39	\$31.73	\$39.85	\$48.20
15-1099	Computer Specialists, All Other	\$16.31	\$29.96	\$21.12	\$30.07	\$39.32
15-1041	Computer Support Specialists	\$16.76	\$24.87	\$18.69	\$22.57	\$28.66
15-1051	Computer Systems Analysts	\$23.77	\$34.88	\$25.89	\$33.59	\$41.92
49-2011	Computer, Automated Teller, and Office Machine Repairers	\$14.04	\$18.58	\$15.32	\$18.01	\$21.32
51-4011	Computer-Controlled Machine Tool Operators, Metal and Plastic	\$10.31	\$16.96	\$11.50	\$16.00	\$21.61
39-6012	Concierges	\$7.54	\$10.81	\$8.43	\$10.18	\$12.58
19-1031	Conservation Scientists	\$20.05	\$25.54	\$20.83	\$24.33	\$30.22
47-4011	Construction and Building Inspectors	\$21.58	\$27.76	\$23.57	\$27.29	\$32.45
47-0000	Construction and Extraction Occupations	\$13.60	\$23.72	\$16.32	\$23.39	\$30.60
47-2061	Construction Laborers	\$11.01	\$19.76	\$13.05	\$20.85	\$26.02

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
11-9021	Construction Managers	\$29.19	\$40.54	\$32.05	\$38.87	\$46.37
49-9012	Control and Valve Installers and Repairers, Except Mechanical Door	\$21.14	\$22.98	\$20.38	\$22.04	\$23.65
35-2011	Cooks, Fast Food	\$6.75*	\$7.56	\$6.75*	\$7.43	\$8.21
35-2012	Cooks, Institution and Cafeteria	\$9.03	\$12.42	\$10.11	\$12.02	\$13.99
35-2014	Cooks, Restaurant	\$8.43	\$12.07	\$8.96	\$10.83	\$13.49
35-2015	Cooks, Short Order	\$7.63	\$8.72	\$7.65	\$8.46	\$9.76
43-4021	Correspondence Clerks	\$9.74	\$13.83	\$10.85	\$14.57	\$16.52
13-1051	Cost Estimators	\$21.42	\$32.87	\$24.51	\$31.12	\$39.34
41-2021	Counter and Rental Clerks	\$7.50	\$11.06	\$7.95	\$9.61	\$12.52
35-3022	Counter Attendants, Cafeteria, Food Concession, and Coffee Shop	\$6.75*	\$8.20	\$6.75*	\$7.37	\$9.42
43-5021	Couriers and Messengers	\$8.12	\$12.69	\$8.66	\$12.08	\$15.65
53-7021	Crane and Tower Operators	\$11.15	\$20.41	\$13.04	\$18.32	\$28.56
13-2041	Credit Analysts	\$17.27	\$26.08	\$19.40	\$24.68	\$31.07
43-4041	Credit Authorizers, Checkers, and Clerks	\$11.26	\$14.91	\$12.32	\$14.33	\$17.27
33-9091	Crossing Guards	\$7.24	\$9.76	\$7.56	\$8.98	\$10.90
51-9021	Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders	\$8.26	\$12.95	\$8.81	\$10.72	\$16.56
43-4051	Customer Service Representatives	\$11.09	\$16.39	\$12.55	\$15.76	\$19.82
51-9031	Cutters and Trimmers, Hand	\$7.76	\$12.01	\$8.55	\$12.09	\$15.44
51-9032	Cutting and Slicing Machine Setters, Operators, and Tenders	\$10.68	\$14.92	\$11.82	\$14.06	\$18.68

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
51-4031	Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic	\$10.41	\$15.74	\$11.94	\$15.19	\$18.50
43-9021	Data Entry Keyers	\$8.91	\$12.60	\$10.24	\$12.64	\$14.77
15-1061	Database Administrators	\$17.52	\$29.31	\$20.02	\$26.85	\$38.22
41-9011	Demonstrators and Product Promoters	\$7.94	\$11.16	\$8.45	\$9.89	\$11.26
31-9091	Dental Assistants	\$12.84	\$16.53	\$13.73	\$16.78	\$19.60
29-2021	Dental Hygienists	\$25.92	\$37.02	\$30.07	\$35.02	\$43.22
51-9081	Dental Laboratory Technicians	\$9.29	\$14.37	\$10.29	\$15.11	\$17.04
29-1020	Dentists	\$54.32	(3)	\$58.46	>\$70.00	>\$70.00
43-9031	Desktop Publishers	\$12.79	\$17.17	\$14.82	\$16.76	\$19.81
29-2032	Diagnostic Medical Sonographers	\$26.60	\$32.54	\$29.43	\$33.37	\$37.30
29-2051	Dietetic Technicians	\$10.07	\$15.24	\$10.98	\$14.18	\$18.80
29-1031	Dietitians and Nutritionists	\$20.59	\$25.38	\$22.51	\$25.02	\$27.52
35-9011	Dining Room and Cafeteria Attendants and Bartender Helpers	\$6.75*	\$8.42	\$6.75*	\$7.60	\$8.80
21-2021	Directors, Religious Activities and Education	\$7.90	\$14.97	\$9.46	\$15.47	\$20.00
35-9021	Dishwashers	\$6.90	\$8.13	\$7.15	\$7.86	\$8.59
43-5032	Dispatchers, Except Police, Fire, and Ambulance	\$12.51	\$18.32	\$13.95	\$16.77	\$21.29
41-9091	Door-to-Door Sales Workers, News and Street Vendors, and Related Workers	\$7.39	\$11.97	\$7.90	\$12.02	\$13.71
51-4032	Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plastic	\$10.91	\$15.94	\$12.33	\$15.74	\$18.89
53-3031	Driver/Sales Workers	\$7.70	\$12.50	\$8.08	\$10.57	\$15.82

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
47-2081	Drywall and Ceiling Tile Installers	\$14.85	\$23.37	\$18.70	\$23.20	\$30.55
47-5021	Earth Drillers, Except Oil and Gas	\$17.18	\$26.92	\$20.72	\$30.13	\$34.11
25-1063	Economics Teachers, Postsecondary	(2)	(2)	(2)	(2)	(2)
19-3011	Economists	\$22.44	\$27.92	\$24.89	\$28.38	\$32.11
27-3041	Editors	\$15.75	\$24.05	\$17.52	\$22.78	\$28.14
11-9032	Education Administrators, Elementary and Secondary School	(2)	(2)	(2)	(2)	(2)
11-9033	Education Administrators, Postsecondary	\$20.27	\$35.46	\$24.15	\$35.13	\$47.54
11-9031	Education Administrators, Preschool and Child Care Center/Program	\$13.68	\$23.44	\$15.48	\$21.74	\$27.57
25-1081	Education Teachers, Postsecondary	(2)	(2)	(2)	(2)	(2)
25-0000	Education, Training, and Library Occupations	\$10.89	\$21.65	\$13.30	\$20.30	\$28.24
25-9199	Education, Training, and Library Workers, All Other	\$6.75*	\$11.54	\$7.08	\$8.52	\$13.64
21-1012	Educational, Vocational, and School Counselors	\$9.03	\$21.35	\$10.48	\$20.78	\$30.63
49-2092	Electric Motor, Power Tool, and Related Repairers	\$13.26	\$19.20	\$14.56	\$17.39	\$25.10
17-3023	Electrical and Electronic Engineering Technicians	\$17.00	\$24.83	\$18.99	\$23.90	\$28.90
51-2022	Electrical and Electronic Equipment Assemblers	\$9.78	\$13.84	\$11.09	\$13.22	\$16.51
17-3012	Electrical and Electronics Drafters	\$18.90	\$30.12	\$21.09	\$27.35	\$37.01
49-2093	Electrical and Electronics Installers and Repairers, Transportation Equipment	\$12.49	\$16.99	\$14.42	\$16.86	\$19.76
49-2094	Electrical and Electronics Repairers, Commercial and Industrial Equipment	\$15.28	\$20.56	\$18.13	\$20.37	\$22.56
49-2095	Electrical and Electronics Repairers, Powerhouse, Substation, and Relay	\$13.89	\$23.26	\$15.46	\$24.68	\$30.40
17-2071	Electrical Engineers	\$18.28	\$34.17	\$24.84	\$34.09	\$44.34

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47-2111	Electricians	\$19.54	\$31.71	\$22.84	\$32.69	\$41.75
51-2023	Electromechanical Equipment Assemblers	\$8.78	\$12.44	\$9.33	\$12.39	\$14.37
17-3024	Electro-Mechanical Technicians	\$15.46	\$21.07	\$17.05	\$20.32	\$25.13
49-2096	Electronic Equipment Installers and Repairers, Motor Vehicles	\$8.39	\$10.41	\$9.17	\$10.29	\$11.32
49-2097	Electronic Home Entertainment Equipment Installers and Repairers	\$9.41	\$14.92	\$11.09	\$15.21	\$18.55
17-2072	Electronics Engineers, Except Computer	\$27.96	\$36.43	\$30.39	\$35.34	\$42.74
25-2021	Elementary School Teachers, Except Special Education	(2)	(2)	(2)	(2)	(2)
47-4021	Elevator Installers and Repairers	\$27.63	\$36.89	\$31.74	\$39.15	\$43.42
39-4011	Embalmers	\$13.47	\$17.89	\$14.43	\$18.05	\$21.00
13-1061	Emergency Management Specialists	\$20.76	\$32.03	\$23.67	\$28.63	\$38.83
13-1071	Employment, Recruitment, and Placement Specialists	\$16.66	\$24.54	\$18.87	\$22.41	\$27.83
11-9041	Engineering Managers	\$37.93	\$52.39	\$43.41	\$53.50	\$59.61
25-1032	Engineering Teachers, Postsecondary	(2)	(2)	(2)	(2)	(2)
17-2199	Engineers, All Other	\$25.77	\$37.76	\$29.67	\$35.58	\$45.66
25-1123	English Language and Literature Teachers, Postsecondary	(2)	(2)	(2)	(2)	(2)
27-2099	Entertainers and Performers, Sports and Related Workers, All Other	(2)	(2)	(2)	(2)	(2)
17-3025	Environmental Engineering Technicians	\$16.52	\$22.61	\$18.13	\$22.04	\$25.85
17-2081	Environmental Engineers	\$21.17	\$31.88	\$24.04	\$31.45	\$39.01
19-4091	Environmental Science and Protection Technicians, Including Health	\$18.39	\$26.40	\$20.59	\$26.49	\$32.66
19-2041	Environmental Scientists and Specialists, Including Health	\$22.81	\$32.20	\$24.84	\$30.02	\$38.66

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19-1041	Epidemiologists	\$21.10	\$31.94	\$23.12	\$29.70	\$37.53
51-9194	Etchers and Engravers	\$9.80	\$10.39	\$9.59	\$10.30	\$11.01
53-7032	Excavating and Loading Machine and Dragline Operators	\$17.06	\$23.13	\$18.48	\$24.71	\$27.12
43-6011	Executive Secretaries and Administrative Assistants	\$14.25	\$20.21	\$16.09	\$19.61	\$23.58
51-4021	Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and Plastic	\$11.50	\$18.39	\$13.69	\$17.51	\$24.31
51-9041	Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders	\$8.00	\$13.24	\$8.49	\$10.99	\$16.72
51-6092	Fabric and Apparel Patternmakers	\$10.45	\$19.16	\$11.45	\$19.55	\$25.04
29-1062	Family and General Practitioners	\$39.92	\$53.88	\$47.86	\$55.10	\$60.94
49-3041	Farm Equipment Mechanics	\$12.08	\$16.46	\$13.55	\$16.44	\$19.17
11-9011	Farm, Ranch, and Other Agricultural Managers	\$19.45	\$21.69	\$19.35	\$20.95	\$22.54
45-0000	Farming, Fishing, and Forestry Occupations	\$7.50	\$13.32	\$8.72	\$14.34	\$16.27
45-9099	Farming, Fishing, and Forestry Workers, All Other	\$11.01	\$17.41	\$11.63	\$19.32	\$21.39
45-2092	Farmworkers and Laborers, Crop, Nursery, and Greenhouse	\$6.75*	\$8.67	\$6.75*	\$7.49	\$10.85
27-1022	Fashion Designers	\$9.67	\$19.17	\$10.01	\$12.83	\$19.56
47-4031	Fence Erectors	\$8.29	\$15.76	\$9.47	\$15.63	\$20.91
43-4071	File Clerks	\$8.88	\$12.98	\$10.04	\$12.88	\$15.85
27-4032	Film and Video Editors	\$23.11	\$30.18	\$27.40	\$31.40	\$34.45
13-2051	Financial Analysts	\$21.82	\$31.73	\$25.54	\$31.51	\$36.70
13-2061	Financial Examiners	\$18.86	\$31.08	\$21.07	\$27.66	\$37.68

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
11-3031	Financial Managers	\$29.13	\$43.94	\$33.40	\$42.62	\$54.83
13-2099	Financial Specialists, All Other	\$17.49	\$29.61	\$19.64	\$26.87	\$36.49
33-2011	Fire Fighters	\$25.04	\$32.97	\$29.07	\$33.72	\$38.53
33-2021	Fire Inspectors and Investigators	\$24.19	\$33.61	\$26.14	\$32.35	\$40.14
47-1011	First-Line Supervisors/Managers of Construction Trades and Extraction Workers	\$23.60	\$32.21	\$25.99	\$31.37	\$37.51
45-1011	First-Line Supervisors/Managers of Farming, Fishing, and Forestry Workers	\$15.22	\$16.30	\$14.72	\$15.72	\$16.72
33-1021	First-Line Supervisors/Managers of Fire Fighting and Prevention Workers	\$26.78	\$42.88	\$29.12	\$46.84	\$54.98
35-1012	First-Line Supervisors/Managers of Food Preparation and Serving Workers	\$9.35	\$14.23	\$9.99	\$12.73	\$17.97
53-1021	First-Line Supervisors/Managers of Helpers, Laborers, and Material Movers, Hand	\$17.15	\$24.34	\$19.16	\$23.55	\$29.17
37-1011	First-Line Supervisors/Managers of Housekeeping and Janitorial Workers	\$11.46	\$18.20	\$12.93	\$17.21	\$23.29
37-1012	First-Line Supervisors/Managers of Landscaping, Lawn Service, and Groundskeeping Workers	\$15.41	\$21.75	\$17.36	\$21.17	\$25.68
49-1011	First-Line Supervisors/Managers of Mechanics, Installers, and Repairers	\$22.32	\$30.59	\$24.58	\$29.75	\$36.34
41-1012	First-Line Supervisors/Managers of Non-Retail Sales Workers	\$20.58	\$36.70	\$24.75	\$34.89	\$46.26
43-1011	First-Line Supervisors/Managers of Office and Administrative Support Workers	\$16.02	\$23.95	\$18.14	\$22.89	\$28.63
39-1021	First-Line Supervisors/Managers of Personal Service Workers	\$10.07	\$16.53	\$11.37	\$15.48	\$20.38
33-1012	First-Line Supervisors/Managers of Police and Detectives	\$31.26	\$43.36	\$35.19	\$43.64	\$53.49
51-1011	First-Line Supervisors/Managers of Production and Operating Workers	\$17.00	\$26.76	\$19.41	\$25.84	\$33.17
41-1011	First-Line Supervisors/Managers of Retail Sales Workers	\$11.11	\$19.39	\$12.71	\$16.85	\$22.65

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
53-1031	First-Line Supervisors/Managers of Transportation and Material-Moving Machine and Vehicle	\$16.14	\$27.39	\$19.51	\$26.42	\$32.96
33-1099	First-Line Supervisors/Managers, Protective Service Workers, All Other	\$12.34	\$20.83	\$13.82	\$19.65	\$26.07
39-9031	Fitness Trainers and Aerobics Instructors	\$6.75*	\$14.61	\$6.75*	\$7.38	\$25.86
47-2042	Floor Layers, Except Carpet, Wood, and Hard Tiles	\$16.57	\$25.31	\$19.57	\$27.26	\$31.98
27-1023	Floral Designers	\$9.79	\$12.87	\$10.75	\$12.60	\$14.41
51-3091	Food and Tobacco Roasting, Baking, and Drying Machine Operators and Tenders	\$7.73	\$14.15	\$8.14	\$14.03	\$19.73
51-3092	Food Batchmakers	\$8.79	\$14.39	\$9.63	\$14.26	\$17.41
51-3093	Food Cooking Machine Operators and Tenders	\$8.04	\$12.14	\$8.58	\$11.00	\$15.76
35-9099	Food Preparation and Serving Related Workers, All Other	\$6.86	\$9.10	\$7.19	\$8.69	\$10.71
35-0000	Food Preparation and Serving-Related Occupations	\$6.75*	\$9.14	\$6.87	\$7.98	\$10.19
35-2021	Food Preparation Workers	\$7.48	\$10.37	\$7.80	\$9.20	\$13.65
35-3041	Food Servers, Nonrestaurant	\$6.75*	\$8.32	\$6.75*	\$7.58	\$9.68
11-9051	Food Service Managers	\$13.01	\$21.45	\$14.24	\$19.49	\$28.77
25-1124	Foreign Language and Literature Teachers, Postsecondary	(2)	(2)	(2)	(2)	(2)
19-4092	Forensic Science Technicians	\$14.60	\$24.50	\$16.67	\$22.52	\$31.04
45-4011	Forest and Conservation Workers	\$8.78	\$14.21	\$9.53	\$10.79	\$17.42
19-1032	Foresters	\$22.40	\$30.09	\$24.65	\$28.33	\$34.15
51-4022	Forging Machine Setters, Operators, and Tenders, Metal and Plastic	\$7.27	\$12.38	\$7.68	\$11.00	\$17.42
51-4071	Foundry Mold and Coremakers	\$10.37	\$15.08	\$12.65	\$16.22	\$17.79

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
39-4021	Funeral Attendants	\$9.77	\$12.52	\$10.12	\$11.60	\$13.69
11-9061	Funeral Directors	\$12.48	\$21.73	\$13.48	\$16.47	\$22.18
51-9051	Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders	\$10.40	\$15.14	\$12.24	\$15.29	\$17.31
51-7021	Furniture Finishers	\$7.85	\$11.98	\$8.65	\$10.90	\$13.35
43-3041	Gaming Cage Workers	\$12.01	\$16.82	\$13.68	\$17.16	\$20.66
41-2012	Gaming Change Persons and Booth Cashiers	\$9.03	\$11.98	\$10.35	\$12.38	\$13.75
39-3011	Gaming Dealers	\$6.75*	\$14.06	\$6.75*	\$6.83	\$25.14
39-1011	Gaming Supervisors	\$9.89	\$18.16	\$10.60	\$15.46	\$25.78
11-1021	General and Operations Managers	\$24.86	\$44.59	\$29.65	\$42.22	\$59.61
25-1064	Geography Teachers, Postsecondary	(2)	(2)	(2)	(2)	(2)
19-2042	Geoscientists, Except Hydrologists and Geographers	\$18.02	\$33.74	\$20.68	\$31.00	\$45.85
47-2121	Glaziers	\$12.86	\$23.81	\$15.13	\$26.63	\$32.60
25-1191	Graduate Teaching Assistants	(2)	(2)	(2)	(2)	(2)
27-1024	Graphic Designers	\$16.33	\$24.56	\$18.80	\$24.59	\$30.20
51-9022	Grinding and Polishing Workers, Hand	\$9.59	\$13.51	\$10.37	\$13.28	\$16.65
51-4033	Grinding, Lapping, Polishing, and Buffing Machine Tool Setters, Operators, and Tenders, Me	\$9.86	\$13.74	\$10.77	\$13.00	\$16.02
39-5012	Hairdressers, Hairstylists, and Cosmetologists	\$7.15	\$10.01	\$7.52	\$9.07	\$11.26
47-4041	Hazardous Materials Removal Workers	\$10.55	\$15.33	\$11.89	\$14.09	\$17.83
17-2111	Health and Safety Engineers, Except Mining Safety Engineers and Inspectors	\$19.88	\$31.24	\$23.43	\$31.10	\$38.15

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
29-1199	Health Diagnosing and Treating Practitioners, All Other	\$17.26	\$25.38	\$19.78	\$24.12	\$29.04
21-1091	Health Educators	\$15.45	\$25.52	\$18.55	\$27.95	\$32.42
25-1071	Health Specialties Teachers, Postsecondary	(2)	(2)	(2)	(2)	(2)
29-0000	Healthcare Practitioners and Technical Occupations	\$16.99	\$30.18	\$20.59	\$29.85	\$37.65
31-0000	Healthcare Support Occupations	\$10.02	\$13.81	\$11.24	\$13.70	\$16.28
31-9099	Healthcare Support Workers, All Other	\$10.33	\$14.99	\$11.81	\$14.87	\$17.38
51-4191	Heat Treating Equipment Setters, Operators, and Tenders, Metal and Plastic	\$11.46	\$15.75	\$12.29	\$14.85	\$18.96
49-9021	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	\$9.26	\$17.02	\$11.05	\$15.70	\$21.90
47-3019	Helpers, Construction Trades, All Other	\$6.80	\$12.43	\$7.45	\$11.95	\$13.83
47-3011	Helpers--Brickmasons, Blockmasons, Stonemasons, and Tile and Marble Setters	\$9.28	\$12.72	\$9.72	\$11.08	\$16.02
47-3012	Helpers--Carpenters	\$9.84	\$14.10	\$10.93	\$14.94	\$16.96
47-3013	Helpers--Electricians	\$9.70	\$14.73	\$10.44	\$13.33	\$17.61
49-9098	Helpers--Installation, Maintenance, and Repair Workers	\$9.17	\$13.09	\$9.96	\$12.12	\$15.34
47-3014	Helpers--Painters, Paperhangers, Plasterers, and Stucco Masons	\$7.45	\$13.17	\$7.82	\$11.60	\$15.57
47-3015	Helpers--Pipelayers, Plumbers, Pipefitters, and Steamfitters	\$10.46	\$13.83	\$11.30	\$13.70	\$16.22
51-9198	Helpers--Production Workers	\$7.21	\$10.90	\$7.44	\$9.50	\$13.45
47-3016	Helpers--Roofers	\$9.18	\$10.78	\$9.35	\$10.37	\$11.97
47-4051	Highway Maintenance Workers	\$15.90	\$20.82	\$16.99	\$20.33	\$24.77
25-1125	History Teachers, Postsecondary	(2)	(2)	(2)	(2)	(2)

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
49-9031	Home Appliance Repairers	\$15.30	\$23.35	\$17.62	\$23.09	\$29.96
25-1192	Home Economics Teachers, Postsecondary	(2)	(2)	(2)	(2)	(2)
31-1011	Home Health Aides	\$8.24	\$12.22	\$8.92	\$11.54	\$15.88
35-9031	Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop	\$6.99	\$8.24	\$7.22	\$7.88	\$8.54
43-4081	Hotel, Motel, and Resort Desk Clerks	\$7.01	\$8.96	\$7.57	\$9.09	\$10.36
43-4161	Human Resources Assistants, Except Payroll and Timekeeping	\$12.76	\$18.54	\$14.58	\$18.38	\$21.75
11-3040	Human Resources Managers	\$22.99	\$37.54	\$26.79	\$35.54	\$46.60
19-2043	Hydrologists	\$23.37	\$35.49	\$26.38	\$36.82	\$43.44
17-3026	Industrial Engineering Technicians	\$15.49	\$24.36	\$17.04	\$20.59	\$26.67
17-2112	Industrial Engineers	\$25.41	\$34.68	\$28.56	\$33.80	\$41.07
49-9041	Industrial Machinery Mechanics	\$19.68	\$23.80	\$21.48	\$24.57	\$26.93
11-3051	Industrial Production Managers	\$27.56	\$42.87	\$31.60	\$41.77	\$54.19
53-7051	Industrial Truck and Tractor Operators	\$10.37	\$16.30	\$12.05	\$15.92	\$20.24
51-9061	Inspectors, Testers, Sorters, Samplers, and Weighers	\$9.13	\$16.01	\$10.48	\$14.53	\$21.75
49-0000	Installation, Maintenance, and Repair Occupations	\$11.45	\$19.59	\$13.16	\$19.04	\$25.21
49-9099	Installation, Maintenance, and Repair Workers, All Other	\$12.36	\$21.80	\$13.89	\$18.88	\$28.06
25-9031	Instructional Coordinators	\$13.83	\$26.74	\$15.45	\$25.44	\$34.21
47-2130	Insulation Workers	\$13.52	\$24.96	\$15.06	\$25.37	\$33.01
13-1032	Insurance Appraisers, Auto Damage	\$17.56	\$22.74	\$18.49	\$22.06	\$26.74
43-9041	Insurance Claims and Policy Processing Clerks	\$12.79	\$19.10	\$14.25	\$17.75	\$21.97

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
41-3021	Insurance Sales Agents	\$14.83	\$26.05	\$16.66	\$20.84	\$30.67
13-2053	Insurance Underwriters	\$17.76	\$26.88	\$19.80	\$25.45	\$31.37
27-1025	Interior Designers	\$13.83	\$28.17	\$15.86	\$23.35	\$35.53
29-1063	Internists, General	\$42.29	(3)	\$51.83	\$59.12	>\$70.00
27-3091	Interpreters and Translators	\$15.11	\$20.41	\$16.75	\$19.41	\$21.76
43-4111	Interviewers, Except Eligibility and Loan	\$12.90	\$16.83	\$14.60	\$16.62	\$18.96
37-2011	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	\$7.82	\$11.69	\$8.49	\$11.03	\$14.56
51-9071	Jewelers and Precious Stone and Metal Workers	\$6.80	\$13.29	\$7.67	\$11.80	\$18.20
51-5021	Job Printers	\$15.53	\$18.54	\$17.68	\$19.18	\$20.72
25-2012	Kindergarten Teachers, Except Special Education	(2)	(2)	(2)	(2)	(2)
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	\$8.10	\$11.72	\$8.93	\$10.86	\$13.72
17-1012	Landscape Architects	\$23.34	\$30.07	\$24.52	\$28.37	\$34.95
37-3011	Landscaping and Groundskeeping Workers	\$8.94	\$13.49	\$9.71	\$11.78	\$16.75
51-4034	Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and Plastic	\$12.18	\$20.03	\$14.52	\$19.05	\$23.84
51-6011	Laundry and Dry-Cleaning Workers	\$6.75*	\$8.18	\$6.78	\$7.50	\$9.66
23-2092	Law Clerks	\$12.12	\$13.26	\$11.67	\$12.46	\$13.25
25-1112	Law Teachers, Postsecondary	(2)	(2)	(2)	(2)	(2)
23-1011	Lawyers	\$32.02	\$48.23	\$38.01	\$46.79	\$59.92
23-0000	Legal Occupations	\$16.50	\$33.96	\$19.82	\$27.11	\$47.67
43-6012	Legal Secretaries	\$19.50	\$26.37	\$22.06	\$27.25	\$32.15

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
11-1031	Legislators	\$17.43	\$21.81	\$18.94	\$20.79	\$22.77
25-4021	Librarians	\$15.51	\$22.57	\$17.22	\$22.53	\$26.79
43-4121	Library Assistants, Clerical	\$7.75	\$12.07	\$8.51	\$11.97	\$14.64
25-4031	Library Technicians	\$9.68	\$13.16	\$10.14	\$12.21	\$16.09
29-2061	Licensed Practical and Licensed Vocational Nurses	\$18.62	\$21.43	\$19.25	\$21.57	\$24.06
19-0000	Life, Physical, and Social Science Occupations	\$16.26	\$30.38	\$19.74	\$27.79	\$37.42
13-2071	Loan Counselors	\$13.90	\$21.08	\$15.22	\$18.31	\$22.46
43-4131	Loan Interviewers and Clerks	\$12.20	\$16.06	\$12.54	\$14.49	\$17.84
13-2072	Loan Officers	\$17.36	\$32.75	\$18.80	\$27.34	\$35.46
39-3093	Locker Room, Coatroom, and Dressing Room Attendants	\$7.74	\$9.27	\$7.86	\$8.82	\$10.57
49-9094	Locksmiths and Safe Repairers	\$9.57	\$20.79	\$11.94	\$14.04	\$21.17
11-9081	Lodging Managers	\$16.10	\$21.22	\$16.80	\$19.77	\$24.92
53-7063	Machine Feeders and Offbearers	\$6.75*	\$9.82	\$7.21	\$8.50	\$10.83
51-4041	Machinists	\$12.98	\$20.67	\$15.55	\$21.39	\$25.85
37-2012	Maids and Housekeeping Cleaners	\$7.18	\$9.49	\$7.56	\$8.76	\$11.20
43-9051	Mail Clerks and Mail Machine Operators, Except Postal Service	\$9.03	\$13.16	\$10.04	\$12.83	\$16.03
49-9042	Maintenance and Repair Workers, General	\$11.94	\$18.89	\$14.24	\$18.04	\$23.39
49-9043	Maintenance Workers, Machinery	\$16.39	\$21.42	\$18.34	\$21.20	\$25.64
13-1111	Management Analysts	\$22.99	\$41.99	\$26.91	\$36.67	\$60.30
11-0000	Management Occupations	\$23.74	\$42.56	\$28.88	\$41.02	\$57.29

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
11-9199	Managers, All Other	\$23.05	\$39.05	\$27.12	\$37.58	\$49.84
39-5092	Manicurists and Pedicurists	\$6.92	\$7.93	\$7.01	\$7.55	\$8.55
17-2121	Marine Engineers and Naval Architects	\$31.42	\$41.36	\$35.78	\$41.82	\$49.65
19-3021	Market Research Analysts	\$20.35	\$35.90	\$23.26	\$31.89	\$44.14
11-2021	Marketing Managers	\$29.51	\$46.62	\$34.65	\$46.20	\$59.61
21-1013	Marriage and Family Therapists	\$8.59	\$17.76	\$12.05	\$17.65	\$22.43
31-9011	Massage Therapists	\$8.89	\$12.93	\$9.90	\$12.50	\$14.02
53-7199	Material Moving Workers, All Other	\$10.12	\$19.20	\$11.96	\$20.53	\$26.49
17-2131	Materials Engineers	\$24.53	\$35.29	\$27.53	\$36.18	\$42.24
19-2032	Materials Scientists	\$17.00	\$31.11	\$20.52	\$29.18	\$40.62
25-1022	Mathematical Science Teachers, Postsecondary	(2)	(2)	(2)	(2)	(2)
15-2099	Mathematical Scientists, All Other	\$21.93	\$32.37	\$23.02	\$29.31	\$38.72
51-3022	Meat, Poultry, and Fish Cutters and Trimmers	\$9.24	\$13.09	\$10.69	\$13.59	\$16.00
17-3013	Mechanical Drafters	\$18.75	\$26.11	\$21.28	\$25.66	\$31.47
17-3027	Mechanical Engineering Technicians	\$14.71	\$21.32	\$15.81	\$19.10	\$26.70
17-2141	Mechanical Engineers	\$27.76	\$37.70	\$30.88	\$36.91	\$44.68
27-4099	Media and Communication Equipment Workers, All Other	\$9.44	\$18.14	\$10.58	\$14.30	\$27.42
27-3099	Media and Communication Workers, All Other	\$12.62	\$19.68	\$15.93	\$19.74	\$23.39
29-2012	Medical and Clinical Laboratory Technicians	\$14.78	\$19.08	\$15.56	\$17.37	\$21.09
29-2011	Medical and Clinical Laboratory Technologists	\$24.19	\$30.01	\$26.45	\$31.03	\$34.35

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11-9111	Medical and Health Services Managers	\$27.99	\$42.78	\$31.89	\$40.07	\$54.83
21-1022	Medical and Public Health Social Workers	\$19.72	\$26.55	\$22.95	\$27.24	\$31.95
31-9092	Medical Assistants	\$10.82	\$14.70	\$11.82	\$15.08	\$16.94
31-9093	Medical Equipment Preparers	\$14.09	\$16.90	\$15.22	\$16.68	\$18.18
29-2071	Medical Records and Health Information Technicians	\$10.77	\$15.75	\$12.48	\$15.18	\$17.91
43-6013	Medical Secretaries	\$15.15	\$16.00	\$14.79	\$15.83	\$16.86
31-9094	Medical Transcriptionists	\$12.98	\$16.92	\$14.07	\$16.51	\$19.35
13-1121	Meeting and Convention Planners	\$17.55	\$24.04	\$18.98	\$21.49	\$26.56
21-1023	Mental Health and Substance Abuse Social Workers	\$18.50	\$23.89	\$22.26	\$24.80	\$27.30
21-1014	Mental Health Counselors	\$10.07	\$15.47	\$10.90	\$13.79	\$19.94
27-1026	Merchandise Displayers and Window Trimmers	\$9.44	\$14.11	\$10.02	\$12.64	\$17.19
51-4199	Metal Workers and Plastic Workers, All Other	\$11.08	\$15.40	\$12.40	\$15.46	\$17.73
19-1022	Microbiologists	\$22.78	\$32.31	\$25.72	\$31.77	\$39.48
25-2022	Middle School Teachers, Except Special and Vocational Education	(2)	(2)	(2)	(2)	(2)
51-4035	Milling and Planing Machine Setters, Operators, and Tenders, Metal and Plastic	\$8.57	\$11.88	\$9.06	\$10.31	\$13.23
49-9044	Millwrights	\$19.64	\$24.87	\$21.25	\$25.11	\$29.02
51-9023	Mixing and Blending Machine Setters, Operators, and Tenders	\$9.34	\$15.06	\$10.87	\$16.00	\$18.32
49-3042	Mobile Heavy Equipment Mechanics, Except Engines	\$16.37	\$22.84	\$18.04	\$22.85	\$27.25
51-4072	Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders, Metal and Plasti	\$7.83	\$11.32	\$7.94	\$8.97	\$11.55

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39-3021	Motion Picture Projectionists	\$6.75*	\$10.58	\$6.91	\$7.83	\$10.93
53-3099	Motor Vehicle Operators, All Other	\$7.80	\$13.48	\$8.39	\$11.64	\$18.41
49-3051	Motorboat Mechanics	\$17.90	\$20.61	\$19.11	\$20.86	\$22.72
49-3052	Motorcycle Mechanics	\$15.42	\$20.82	\$18.05	\$21.42	\$25.00
27-1014	Multi-Media Artists and Animators	\$17.31	\$24.02	\$19.29	\$24.04	\$27.75
51-4081	Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic	\$9.09	\$13.79	\$9.81	\$13.09	\$16.71
27-2042	Musicians and Singers	(2)	(2)	(2)	(2)	(2)
11-9121	Natural Sciences Managers	\$32.78	\$47.38	\$37.60	\$46.89	\$59.18
15-1071	Network and Computer Systems Administrators	\$21.72	\$30.99	\$24.58	\$30.24	\$37.46
15-1081	Network Systems and Data Communications Analysts	\$22.06	\$31.62	\$25.30	\$31.24	\$38.31
43-4141	New Accounts Clerks	\$10.31	\$14.40	\$10.94	\$14.75	\$16.70
27-3020	News Analysts, Reporters and Correspondents	\$10.01	\$18.67	\$11.49	\$15.44	\$25.87
39-2021	Nonfarm Animal Caretakers	\$7.56	\$9.98	\$7.77	\$8.68	\$12.20
29-2033	Nuclear Medicine Technologists	\$24.66	\$28.48	\$25.65	\$28.80	\$32.32
51-4012	Numerical Tool and Process Control Programmers	\$20.14	\$28.39	\$21.82	\$28.40	\$34.71
31-1012	Nursing Aides, Orderlies, and Attendants	\$10.08	\$12.80	\$11.17	\$12.87	\$14.80
25-1072	Nursing Instructors and Teachers, Postsecondary	(2)	(2)	(2)	(2)	(2)
29-9010	Occupational Health and Safety Specialists and Technicians	\$22.43	\$31.09	\$25.62	\$30.50	\$36.16
31-2012	Occupational Therapist Aides	\$7.65	\$12.77	\$8.23	\$12.04	\$15.52
31-2011	Occupational Therapist Assistants	\$17.91	\$20.08	\$18.37	\$20.00	\$21.61

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
29-1122	Occupational Therapists	\$19.63	\$28.77	\$23.48	\$29.16	\$33.94
43-0000	Office and Administrative Support Occupations	\$10.20	\$16.04	\$11.74	\$15.41	\$19.44
43-9061	Office Clerks, General	\$8.59	\$13.43	\$9.87	\$13.11	\$16.57
43-9071	Office Machine Operators, Except Computer	\$7.97	\$11.17	\$8.64	\$10.15	\$12.94
47-2073	Operating Engineers and Other Construction Equipment Operators	\$22.92	\$30.37	\$26.88	\$31.57	\$35.43
15-2031	Operations Research Analysts	\$24.11	\$41.46	\$27.64	\$36.67	\$60.94
51-9083	Ophthalmic Laboratory Technicians	\$8.96	\$12.24	\$9.79	\$12.23	\$14.65
29-2081	Opticians, Dispensing	\$10.53	\$16.35	\$12.32	\$16.38	\$20.49
29-1041	Optometrists	\$40.47	\$43.61	\$40.28	\$43.41	\$46.62
43-4151	Order Clerks	\$9.30	\$14.71	\$10.83	\$14.58	\$17.99
29-2091	Orthotists and Prosthetists	\$31.09	\$36.34	\$36.30	\$39.00	\$41.70
49-3053	Outdoor Power Equipment and Other Small Engine Mechanics	\$8.18	\$14.05	\$9.51	\$13.19	\$18.61
51-9111	Packaging and Filling Machine Operators and Tenders	\$6.87	\$11.58	\$7.37	\$9.45	\$15.78
53-7064	Packers and Packagers, Hand	\$7.55	\$10.65	\$7.97	\$9.44	\$13.05
47-2141	Painters, Construction and Maintenance	\$13.28	\$18.55	\$14.91	\$17.35	\$23.04
51-9123	Painting, Coating, and Decorating Workers	\$9.10	\$14.58	\$10.57	\$14.79	\$17.82
51-9196	Paper Goods Machine Setters, Operators, and Tenders	\$7.98	\$12.24	\$8.74	\$10.87	\$15.07
23-2011	Paralegals and Legal Assistants	\$18.31	\$24.45	\$21.00	\$24.18	\$26.92
33-3041	Parking Enforcement Workers	\$10.52	\$15.20	\$12.06	\$15.78	\$18.12
53-6021	Parking Lot Attendants	\$6.75*	\$8.10	\$6.75*	\$7.33	\$8.52

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
41-2022	Parts Salespersons	\$10.87	\$18.46	\$13.01	\$18.33	\$23.65
51-4062	Patternmakers, Metal and Plastic	\$9.44	\$16.20	\$10.85	\$13.59	\$23.55
51-7032	Patternmakers, Wood	\$7.72	\$13.63	\$7.61	\$8.32	\$16.88
47-2071	Paving, Surfacing, and Tamping Equipment Operators	\$17.99	\$25.05	\$19.17	\$22.37	\$31.88
43-3051	Payroll and Timekeeping Clerks	\$13.35	\$17.94	\$14.99	\$17.77	\$21.13
29-1065	Pediatricians, General	\$44.83	\$55.60	\$47.77	\$55.94	\$60.94
39-9021	Personal and Home Care Aides	\$8.47	\$10.27	\$8.99	\$10.06	\$11.21
39-0000	Personal Care and Service Occupations	\$7.08	\$12.00	\$7.75	\$10.00	\$13.81
39-9099	Personal Care and Service Workers, All Other	\$11.04	\$14.75	\$12.00	\$14.21	\$16.73
13-2052	Personal Financial Advisors	\$18.57	\$33.22	\$19.71	\$24.72	\$42.01
37-2021	Pest Control Workers	\$14.10	\$18.61	\$18.19	\$20.04	\$21.66
37-3012	Pesticide Handlers, Sprayers, and Applicators, Vegetation	\$9.88	\$12.72	\$10.36	\$12.12	\$14.18
29-1051	Pharmacists	\$36.06	\$41.03	\$38.95	\$42.40	\$45.80
31-9095	Pharmacy Aides	\$9.02	\$12.68	\$9.85	\$12.85	\$15.82
29-2052	Pharmacy Technicians	\$12.87	\$16.20	\$13.98	\$15.84	\$17.53
25-1126	Philosophy and Religion Teachers, Postsecondary	(2)	(2)	(2)	(2)	(2)
27-4021	Photographers	\$7.89	\$11.60	\$8.31	\$10.04	\$12.90
51-9131	Photographic Process Workers	\$9.32	\$11.80	\$9.64	\$10.82	\$13.67
51-9132	Photographic Processing Machine Operators	\$9.03	\$11.63	\$9.44	\$10.78	\$13.64
19-2099	Physical Scientists, All Other	\$24.04	\$37.64	\$28.06	\$35.96	\$48.24

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
31-2022	Physical Therapist Aides	\$9.38	\$13.56	\$10.23	\$12.63	\$15.51
31-2021	Physical Therapist Assistants	\$16.77	\$22.16	\$18.73	\$22.70	\$26.28
29-1123	Physical Therapists	\$27.87	\$34.34	\$29.79	\$33.57	\$38.72
29-1071	Physician Assistants	\$20.20	\$33.21	\$21.69	\$33.98	\$40.77
29-1069	Physicians and Surgeons, All Other	\$20.64	(3)	\$23.09	\$50.98	>\$70.00
19-2012	Physicists	\$28.00	\$38.84	\$31.26	\$38.32	\$47.97
25-1054	Physics Teachers, Postsecondary	(2)	(2)	(2)	(2)	(2)
47-2072	Pile-Driver Operators	\$28.94	\$31.59	\$30.38	\$32.60	\$34.82
47-2151	Pipelayers	\$13.25	\$18.57	\$13.85	\$16.91	\$22.98
47-2161	Plasterers and Stucco Masons	\$13.22	\$23.19	\$15.66	\$23.62	\$31.59
51-4193	Plating and Coating Machine Setters, Operators, and Tenders, Metal and Plastic	\$9.45	\$14.59	\$10.70	\$14.78	\$18.42
47-2152	Plumbers, Pipefitters, and Steamfitters	\$14.69	\$25.71	\$16.92	\$24.44	\$33.75
33-3051	Police and Sheriff's Patrol Officers	\$25.27	\$32.35	\$28.50	\$32.82	\$36.85
43-5031	Police, Fire, and Ambulance Dispatchers	\$13.59	\$20.19	\$16.08	\$20.42	\$23.90
25-1065	Political Science Teachers, Postsecondary	(2)	(2)	(2)	(2)	(2)
43-5051	Postal Service Clerks	\$16.84	\$18.63	\$17.69	\$19.13	\$20.58
43-5052	Postal Service Mail Carriers	\$18.27	\$19.13	\$18.19	\$19.48	\$20.76
43-5053	Postal Service Mail Sorters, Processors, and Processing Machine Operators	\$11.92	\$16.43	\$12.97	\$17.67	\$19.85
51-4052	Pourers and Casters, Metal	\$10.99	\$15.66	\$14.40	\$16.02	\$17.49

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
51-8013	Power Plant Operators	\$20.54	\$25.84	\$21.88	\$25.96	\$29.78
51-5022	Prepress Technicians and Workers	\$10.90	\$18.70	\$12.98	\$18.88	\$24.47
25-2011	Preschool Teachers, Except Special Education	\$8.56	\$11.59	\$9.10	\$10.55	\$13.50
51-6021	Pressers, Textile, Garment, and Related Materials	\$6.94	\$9.03	\$7.44	\$9.27	\$10.47
51-5023	Printing Machine Operators	\$10.45	\$17.78	\$11.50	\$16.30	\$21.77
33-9021	Private Detectives and Investigators	\$9.50	\$15.94	\$10.34	\$13.18	\$17.13
21-1092	Probation Officers and Correctional Treatment Specialists	\$27.00	\$32.26	\$28.60	\$32.41	\$36.96
43-3061	Procurement Clerks	\$12.22	\$16.95	\$13.36	\$16.10	\$19.40
27-2012	Producers and Directors	(2)	(2)	(2)	(2)	(2)
51-0000	Production Occupations	\$8.66	\$15.96	\$10.07	\$14.66	\$20.66
51-9199	Production Workers, All Other	\$7.26	\$12.64	\$8.29	\$11.33	\$16.17
43-5061	Production, Planning, and Expediting Clerks	\$11.76	\$19.03	\$13.47	\$18.52	\$22.86
11-9141	Property, Real Estate, and Community Association Managers	\$11.17	\$21.17	\$14.21	\$16.78	\$25.58
33-0000	Protective Service Occupations	\$9.28	\$20.83	\$10.22	\$15.75	\$31.41
29-2053	Psychiatric Technicians	\$15.09	\$18.61	\$16.62	\$18.92	\$20.93
29-1066	Psychiatrists	\$10.15	\$41.55	\$10.71	\$55.80	\$60.94
25-1066	Psychology Teachers, Postsecondary	(2)	(2)	(2)	(2)	(2)
11-2031	Public Relations Managers	\$22.68	\$40.63	\$26.68	\$39.56	\$54.51
27-3031	Public Relations Specialists	\$16.06	\$25.77	\$18.02	\$23.61	\$31.99
53-7072	Pump Operators, Except Wellhead Pumpers	\$18.00	\$20.73	\$19.29	\$21.17	\$22.80

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
13-1021	Purchasing Agents and Buyers, Farm Products	\$13.42	\$23.75	\$16.49	\$23.70	\$29.27
13-1023	Purchasing Agents, Except Wholesale, Retail, and Farm Products	\$17.54	\$26.05	\$19.96	\$25.16	\$31.29
11-3061	Purchasing Managers	\$22.66	\$35.18	\$25.94	\$33.95	\$43.29
29-2034	Radiologic Technologists and Technicians	\$19.15	\$25.82	\$22.00	\$26.34	\$31.26
53-4013	Rail Yard Engineers, Dinkey Operators, and Hostlers	\$9.12	\$12.41	\$9.63	\$11.17	\$15.94
41-9022	Real Estate Sales Agents	\$8.44	\$19.91	\$10.21	\$17.37	\$25.79
43-4171	Receptionists and Information Clerks	\$8.42	\$12.49	\$9.51	\$12.37	\$15.44
25-1193	Recreation and Fitness Studies Teachers, Postsecondary	(2)	(2)	(2)	(2)	(2)
39-9032	Recreation Workers	\$7.64	\$11.26	\$8.49	\$10.86	\$13.03
29-1125	Recreational Therapists	\$13.33	\$18.25	\$15.37	\$17.94	\$21.71
49-3092	Recreational Vehicle Service Technicians	\$10.00	\$13.93	\$11.24	\$13.56	\$17.03
29-1111	Registered Nurses	\$29.01	\$34.91	\$30.77	\$34.83	\$40.02
21-1015	Rehabilitation Counselors	\$9.63	\$13.38	\$10.19	\$12.22	\$14.58
47-2171	Reinforcing Iron and Rebar Workers	\$12.38	\$18.77	\$13.48	\$17.89	\$24.83
43-4181	Reservation and Transportation Ticket Agents and Travel Clerks	\$9.54	\$12.59	\$9.71	\$10.92	\$13.82
29-1126	Respiratory Therapists	\$22.48	\$26.54	\$23.99	\$26.84	\$30.12
29-2054	Respiratory Therapy Technicians	\$14.95	\$18.72	\$15.96	\$18.36	\$21.42
41-2031	Retail Salespersons	\$7.59	\$11.99	\$7.96	\$9.50	\$13.29
51-4023	Rolling Machine Setters, Operators, and Tenders, Metal and Plastic	\$8.84	\$13.09	\$9.68	\$12.80	\$15.06
47-2181	Roofers	\$13.72	\$20.12	\$16.97	\$20.22	\$23.99

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
41-0000	Sales and Related Occupations	\$7.70	\$17.04	\$8.44	\$12.39	\$20.82
41-9031	Sales Engineers	\$26.41	\$42.08	\$30.16	\$39.18	\$52.23
11-2022	Sales Managers	\$26.33	\$45.44	\$31.40	\$43.99	\$59.61
41-3099	Sales Representatives, Services, All Other	\$12.28	\$24.39	\$16.45	\$22.42	\$29.17
41-4012	Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Product	\$14.97	\$27.67	\$16.98	\$24.33	\$35.05
41-4011	Sales Representatives, Wholesale and Manufacturing, Technical and Scientific Products	\$17.86	\$34.29	\$20.59	\$29.75	\$46.41
25-2031	Secondary School Teachers, Except Special and Vocational Education	(2)	(2)	(2)	(2)	(2)
43-6014	Secretaries, Except Legal, Medical, and Executive	\$11.62	\$16.48	\$13.16	\$16.19	\$19.73
41-3031	Securities, Commodities, and Financial Services Sales Agents	\$17.71	\$34.03	\$20.86	\$28.05	\$43.17
33-9032	Security Guards	\$9.06	\$11.17	\$9.36	\$10.52	\$12.50
25-3021	Self-Enrichment Education Teachers	\$10.83	\$19.41	\$12.65	\$16.97	\$22.69
51-9141	Semiconductor Processors	\$9.59	\$12.97	\$10.32	\$12.33	\$14.87
51-9012	Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters, Operators, and	\$10.85	\$16.12	\$12.56	\$16.17	\$20.08
47-4071	Septic Tank Servicers and Sewer Pipe Cleaners	\$17.78	\$22.33	\$20.46	\$23.74	\$25.81
53-6031	Service Station Attendants	\$7.40	\$9.07	\$7.63	\$8.60	\$10.11
27-1027	Set and Exhibit Designers	\$7.87	\$14.65	\$8.78	\$10.90	\$18.50
51-6051	Sewers, Hand	\$6.83	\$10.34	\$7.04	\$8.20	\$15.50
51-6031	Sewing Machine Operators	\$6.75*	\$9.07	\$6.75*	\$7.46	\$10.51
47-2211	Sheet Metal Workers	\$13.42	\$22.04	\$16.10	\$20.04	\$27.21
43-5071	Shipping, Receiving, and Traffic Clerks	\$9.50	\$13.73	\$10.56	\$13.21	\$16.50

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
51-6041	Shoe and Leather Workers and Repairers	\$8.84	\$11.30	\$9.51	\$11.54	\$13.21
39-5094	Skin Care Specialists	\$7.22	\$11.20	\$7.43	\$10.87	\$13.89
51-3023	Slaughterers and Meat Packers	\$9.01	\$11.26	\$9.37	\$10.56	\$13.33
11-9151	Social and Community Service Managers	\$18.52	\$30.09	\$20.95	\$29.00	\$38.70
21-1093	Social and Human Service Assistants	\$12.47	\$16.66	\$13.93	\$15.97	\$18.83
25-1113	Social Work Teachers, Postsecondary	(2)	(2)	(2)	(2)	(2)
25-1067	Sociology Teachers, Postsecondary	(2)	(2)	(2)	(2)	(2)
27-4014	Sound Engineering Technicians	\$25.05	\$32.56	\$29.93	\$32.97	\$36.01
25-2041	Special Education Teachers, Preschool, Kindergarten, and Elementary School	(2)	(2)	(2)	(2)	(2)
25-2043	Special Education Teachers, Secondary School	(2)	(2)	(2)	(2)	(2)
29-1127	Speech-Language Pathologists	\$19.08	\$27.00	\$22.25	\$26.67	\$32.17
51-8021	Stationary Engineers and Boiler Operators	\$22.16	\$29.09	\$24.90	\$30.57	\$34.00
43-9111	Statistical Assistants	\$14.67	\$18.82	\$15.19	\$17.02	\$20.78
15-2041	Statisticians	\$22.74	\$31.28	\$24.57	\$27.83	\$33.81
43-5081	Stock Clerks and Order Fillers	\$8.21	\$12.71	\$9.00	\$11.69	\$16.37
47-2221	Structural Iron and Steel Workers	\$17.17	\$26.31	\$20.03	\$28.65	\$33.01
51-2041	Structural Metal Fabricators and Fitters	\$10.03	\$15.56	\$11.59	\$15.92	\$18.51
21-1011	Substance Abuse and Behavioral Disorder Counselors	\$9.85	\$14.93	\$11.92	\$14.64	\$17.39
29-1067	Surgeons	\$40.26	\$49.13	\$40.74	\$44.58	\$60.94
29-2055	Surgical Technologists	\$17.34	\$21.79	\$19.02	\$21.55	\$24.75
17-3031	Surveying and Mapping Technicians	\$17.18	\$24.91	\$19.93	\$25.72	\$30.02

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
17-1022	Surveyors	\$25.18	\$29.77	\$26.85	\$30.31	\$33.37
43-2011	Switchboard Operators, Including Answering Service	\$9.23	\$13.80	\$10.38	\$13.38	\$16.17
51-6052	Tailors, Dressmakers, and Custom Sewers	\$11.96	\$16.99	\$13.64	\$16.02	\$18.37
53-7121	Tank Car, Truck, and Ship Loaders	\$10.54	\$17.68	\$11.32	\$15.42	\$21.90
47-2082	Tapers	\$15.68	\$23.86	\$18.26	\$24.86	\$30.28
13-2081	Tax Examiners, Collectors, and Revenue Agents	\$17.54	\$25.57	\$19.63	\$25.63	\$31.59
13-2082	Tax Preparers	\$6.97	\$10.33	\$6.86	\$7.24	\$8.49
53-3041	Taxi Drivers and Chauffeurs	\$7.75	\$10.47	\$8.06	\$9.56	\$11.29
25-9041	Teacher Assistants	(2)	(2)	(2)	(2)	(2)
51-2092	Team Assemblers	\$9.04	\$15.26	\$10.31	\$14.16	\$20.10
27-3042	Technical Writers	\$21.63	\$30.79	\$23.48	\$29.37	\$36.72
49-9052	Telecommunications Line Installers and Repairers	\$17.25	\$23.54	\$19.31	\$24.17	\$27.77
41-9041	Telemarketers	\$8.28	\$13.51	\$8.93	\$12.10	\$14.67
43-3071	Tellers	\$9.53	\$10.79	\$9.45	\$10.34	\$11.78
47-2053	Terrazzo Workers and Finishers	\$15.67	\$19.95	\$15.56	\$16.90	\$23.54
51-6063	Textile Knitting and Weaving Machine Setters, Operators, and Tenders	\$6.85	\$9.19	\$6.96	\$8.51	\$11.38
51-6099	Textile, Apparel, and Furnishings Workers, All Other	\$6.83	\$9.29	\$7.08	\$8.29	\$10.74
47-2044	Tile and Marble Setters	\$17.59	\$24.12	\$19.11	\$22.54	\$27.84
49-3093	Tire Repairers and Changers	\$9.67	\$11.59	\$9.63	\$10.57	\$13.39
23-2093	Title Examiners, Abstractors, and Searchers	\$15.46	\$25.82	\$17.68	\$23.33	\$29.70
51-4111	Tool and Die Makers	\$21.12	\$26.99	\$23.94	\$27.43	\$31.16
51-4194	Tool Grinders, Filers, and Sharpeners	\$12.67	\$17.57	\$15.30	\$18.05	\$20.82

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
53-6041	Traffic Technicians	\$19.11	\$24.62	\$20.60	\$23.45	\$29.44
13-1073	Training and Development Specialists	\$15.32	\$25.95	\$17.54	\$26.08	\$33.09
33-3052	Transit and Railroad Police	\$15.43	\$18.69	\$16.45	\$18.59	\$20.76
53-0000	Transportation and Material Moving Occupations	\$8.49	\$15.07	\$9.51	\$13.33	\$18.25
39-6032	Transportation Attendants, Except Flight Attendants and Baggage Porters	\$7.96	\$9.64	\$8.11	\$9.16	\$10.78
11-3071	Transportation, Storage, and Distribution Managers	\$23.18	\$33.93	\$25.63	\$32.07	\$40.95
41-3041	Travel Agents	\$8.45	\$14.58	\$10.49	\$13.93	\$18.81
39-6022	Travel Guides	\$17.74	\$24.94	\$18.99	\$22.30	\$32.80
37-3013	Tree Trimmers and Pruners	\$13.52	\$17.03	\$14.57	\$17.25	\$19.69
53-3032	Truck Drivers, Heavy and Tractor-Trailer	\$14.53	\$19.28	\$15.98	\$18.75	\$21.56
53-3033	Truck Drivers, Light or Delivery Services	\$8.82	\$13.48	\$9.78	\$13.33	\$16.64
27-2023	Umpires, Referees, and Other Sports Officials	(2)	(2)	(2)	(2)	(2)
51-6093	Upholsterers	\$10.76	\$14.75	\$11.92	\$14.71	\$16.94
19-3051	Urban and Regional Planners	\$26.08	\$36.64	\$29.32	\$35.24	\$45.35
39-3031	Ushers, Lobby Attendants, and Ticket Takers	\$6.75*	\$7.97	\$6.84	\$7.35	\$8.55
29-1131	Veterinarians	\$26.02	(3)	\$29.25	\$42.29	>\$70.00
31-9096	Veterinary Assistants and Laboratory Animal Caretakers	\$8.94	\$12.91	\$9.76	\$12.89	\$16.03
29-2056	Veterinary Technologists and Technicians	\$8.20	\$12.29	\$9.15	\$11.96	\$15.65
25-1194	Vocational Education Teachers, Postsecondary	\$15.17	\$22.45	\$17.61	\$20.83	\$26.77
25-2032	Vocational Education Teachers, Secondary School	(2)	(2)	(2)	(2)	(2)
35-3031	Waiters and Waitresses	\$6.75*	\$7.99	\$6.75*	\$7.30	\$8.40

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
51-8031	Water and Liquid Waste Treatment Plant and System Operators	\$22.86	\$28.46	\$25.25	\$28.87	\$33.37
43-5111	Weighers, Measurers, Checkers, and Samplers, Recordkeeping	\$10.06	\$14.48	\$11.20	\$13.63	\$17.19
51-4121	Welders, Cutters, Solderers, and Brazers	\$14.55	\$20.88	\$17.06	\$22.22	\$25.25
51-4122	Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders	\$11.60	\$17.05	\$13.07	\$17.38	\$20.91
13-1022	Wholesale and Retail Buyers, Except Farm Products	\$15.11	\$23.69	\$17.49	\$21.53	\$28.65
51-7099	Woodworkers, All Other	\$8.05	\$11.39	\$8.69	\$10.80	\$13.56
51-7042	Woodworking Machine Setters, Operators, and Tenders, Except Sawing	\$10.78	\$14.59	\$11.55	\$13.12	\$16.83
43-9022	Word Processors and Typists	\$12.58	\$17.18	\$13.68	\$16.47	\$20.29
27-3043	Writers and Authors	\$20.05	\$34.03	\$22.43	\$27.92	\$47.74
19-1023	Zoologists and Wildlife Biologists	\$21.29	\$31.13	\$25.26	\$32.08	\$38.30

Data

- (1) The mean of the first third of the wage distribution is provided as a proxy for entry-level wage
 - (2) For some occupations, workers may not work full-time all year-round. For these occupations it is not feasible to calculate an hourly wage.
 - (3) For occupations where a substantial portion of workers earn more than \$70.00 per hour (the top step in the 2001 OES survey), the mean hourly and annual wages cannot be reliably calculated. This may occasionally apply to the entry-level wage as well.
 - (4) An estimate of employment could not be provided.
 - (5) The "Mean Relative Standard Error" is a measure of the relative precision of the wage estimate. A low number denotes relatively high validity.
- * The survey reference date was in the fourth quarter of 2001, when the California minimum wage was \$6.25 per hour. Since these wages were updated to 2002, and the minimum wage changed to \$6.75 per hour on January 1, 2002, wages below \$6.75 were set to \$6.75 per hour.

Source: Employment Development Department
Labor Market Information Division
(916) 262-2162

Projections & Planning Information

Module F: Social & Economic Data

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Introduction To Social And Economic Data Tables

The data for the Social and Economic Data Tables were developed from a variety of sources to aid local organizations in identifying target group needs and in making appropriate resource allocations for employment and training activities.

Terms expressed in these tables are those commonly used by the U.S. Department of Commerce, the Bureau of the Census and the various state agencies which supplied the data. (The specified source of the data is noted at the bottom of each table.) To aid users of this publication, these terms are defined in the *Explanation of Terms and Concepts* section at the back of this packet.

Automated Access

Electronic access to current data is available through the Employment Development Department's Internet address at:

www.calmis.ca.gov

For technical assistance or additional information about the Employment Development Department's Labor Market Information Division Internet website, please call (916) 262-2162 or FAX (916) 262-2443 to order other publications.

TABLE 1
PUBLIC ASSISTANCE RECIPIENTS BY PROGRAM
2000 - 2002
CONTRA COSTA COUNTY

Recipients by Program	July			CALIFORNIA July 2002
	2000	2001	2002	
California Work Opportunity and Responsibility To Kids (CalWORKs) (a)	25,922	20,448	18,619	1,331,704
Adults	6,462	4,822	3,737	297,063
Children	19,460	15,626	14,882	1,034,641
Food Stamps (b)	23,554	19,422	19,392	1,529,445
General Relief (c)	603	513	446	95,718
Refugee Cash Assistance (d)	14	15	14	1,362
Welfare to Work (e)	4,783	3,345	2,905	266,670

Source: California Department of Social Services

To access detailed reports for county comparisons, visit the California Department of Social Services Internet address at: <http://www.dss.cahwnet.gov/research>

CalWORKs: see report CA 237; Food Stamps: see report DFA 256;

General Relief: see report GR 237; Welfare to Work: see reports WTW 25 and WTW 25A.

(a) Data include foster care children.

(b) Includes those persons receiving public assistance payments and those not receiving public assistance payments.

(c) General Relief data for July 2001 were not available. Data provided are for March 2001.

(d) Refugee Cash Assistance data are for the third quarter and exclude CalWORKs recipients.

(e) With the passage of the Federal Personal Responsibility and Work Opportunity Act of 1996 and California's subsequent implementation of the California Work Opportunity and Responsibility to Kids Act (CalWORKs), the requirement for recipients of aid to participate in work related activities increased significantly. This number represents the number of CalWORKs recipients who have been enrolled or have been sent a notice to participate in Welfare to Work activities. These individuals may be required to participate or be willing to participate in these activities.

TABLE 2
PUBLIC ASSISTANCE RECIPIENTS (CalWORKs)
CHARACTERISTICS OF RECIPIENTS 16 YEARS AND OLDER
2000 - 2002
CONTRA COSTA COUNTY

Characteristics	July			CALIFORNIA July 2002
	2000	2001	2002	
Total Recipients 16+ (a) (b)	8,980	7,080	6,450	461,210
Male	1,720	1,360	1,240	88,310
Female	7,260	5,730	5,220	373,040
16-20.	1,890	1,490	1,360	97,300
21-44	6,400	5,050	4,600	328,710
45-54	550	430	390	28,150
55+	140	110	100	7,200
White (Not Hispanic)	2,930	2,230	1,970	113,140
Black (Not Hispanic)	3,920	3,140	2,890	101,960
Hispanic	1,440	1,200	1,110	206,470
Asian & Pacific Islander	580	430	400	33,350
American Indian	20	20	10	3,290
Filipino	90	60	60	3,000

(CalWORKs) California Work Opportunity And Responsibility To Kids

Source: California Department of Social Services; U.S. Department of Commerce, Bureau of the Census; Detailed data by sex, age, and race/ethnicity are extrapolations based on aggregate figures provided by the Department of Social Services.

To access the detailed report for county comparisons, visit the California Department of Social Services Internet address at: <http://www.dss.cahwnet.gov/research>
 See report ABCD 350.

(a) Includes children in Two Parent, Zero Parent, All Others and Foster Care cases.

(b) Detail may not add to total due to independent rounding.

TABLE 3
Occupations With The Greatest Absolute Job Growth (1)
1999 - 2006
CONTRA COSTA COUNTY

CA OES CODE	OCCUPATION	ANNUAL AVERAGES		NUMBER OF NEW JOBS	PERCENT CHANGE	MEAN ANNUAL WAGE	MEDIAN HOURLY WAGE (3)
		1999(2)	2006				
31308	TEACHERS--SECONDARY SCHOOL	5,210	6,850	1,640	31.5	\$53,441	(4)
49011	SALESPERSONS, RETAIL	11,750	13,250	1,500	12.8	\$24,944	\$9.50
19005	GENERAL MANAGERS, TOP EXECUTIVES	8,570	10,000	1,430	16.7	(5)	(5)
49023	CASHIERS	8,290	9,680	1,390	16.8	\$20,746	\$8.50
25102	SYSTEMS ANALYSTS--ELEC DATA PROC	2,160	3,430	1,270	58.8	\$72,539	\$33.59
31305	TEACHERS--ELEMENTARY SCHOOL	4,720	5,960	1,240	26.3	\$49,929	(4)
25104	COMPUTER SUPPORT SPECIALISTS	2,360	3,570	1,210	51.3	\$51,733	\$22.57
87102	CARPENTERS	5,370	6,580	1,210	22.5	\$47,989	\$22.85
55347	GENERAL OFFICE CLERKS	9,240	10,300	1,060	11.5	\$27,931	\$13.11
32502	REGISTERED NURSES	4,530	5,460	930	20.5	\$72,613	\$34.83
79041	LABORERS, LANDSCAPING/GROUNDSKEE	3,780	4,690	910	24.1	\$28,072	\$11.78
98902	HAND PACKERS AND PACKAGERS	2,250	3,040	790	35.1	\$22,148	\$9.44
67005	JANITORS, CLEANERS--EXCEPT MAIDS	4,690	5,440	750	16.0	\$24,326	\$11.03
22127	COMPUTER ENGINEERS	1,190	1,890	700	58.8	\$91,737	\$41.53
41002	FIRST-LINE SUP/MGR--SALES	4,320	5,000	680	15.7	(6)	(6)
55305	RECEPTIONISTS, INFORMATION CLERKS	4,300	4,980	680	15.8	\$25,981	\$12.37
51002	FIRST-LINE SUP/MGR, CLERK, ADM SUP	4,540	5,160	620	13.7	\$49,817	\$22.89
97105	TRUCK DRIVERS, LIGHT	2,970	3,550	580	19.5	\$28,041	\$13.33
65008	WAITERS AND WAITRESSES	4,360	4,920	560	12.8	\$16,620	\$7.30
31521	TEACHER AIDES, PARAPROFESSIONAL	1,900	2,450	550	28.9	(7)	(7)

Source: Employment Development Department, Labor Market Information Division,
Information Services Group and Occupational Employment Statistics Group

(1) Occupational Projections and OES Wages available online at www.calmis.ca.gov

(2) March 2001 Benchmark

(3) Median Hourly Wage is for the Oakland Metropolitan Statistical Area (MSA), which includes
Alameda and Contra Costa Counties.

(4) For some occupations, workers may not work full-time all year-round. For these occupations it is not
feasible to calculate an hourly wage.

(5) General Managers, Top Executives - Include the following Occupations:

Chief Executives, SOC Code 11-1011, Mean Annual Wage See (5a) - Median Hourly Wage \$61.79;

Farm, Ranch and Other Agricultural Managers, SOC Code 11-9011, Mean Annual Wage \$45,118 - Median Hourly Wage \$20.95;

Sales Managers, SOC Code 11-2022, Mean Annual Wage \$94,506 - Median Hourly Wage \$43.99;

Gaming Managers, SOC Code 11-9071, Mean Annual Wage \$79,733 - Median Hourly Wage \$35.15

(5a) For occupations where a substantial portion of workers earn more than \$70.00 per hour (the top step in the 2001 OES survey),
the mean hourly and annual wages cannot be reliably calculated. This may occasionally apply to the entry-level wage as well.

(6) First Line Supervisor / Manager Sales - Includes the following Occupations:

First-Line Supervisors / Managers of Retail Sales Workers, SOC 41-1011, Mean Annual Wage \$40,331 - Median Hourly Wage \$16.85;

First-Line Supervisors / Managers of Non-Retail Sales Workers, SOC 41-1012, Mean Annual Wage \$76,335 - Median Hourly Wage \$34.89

(7) Teacher Aides, Paraprofessional - Include the following Occupations:

Teacher Assistants, SOC Code 25-9041, Mean Annual Wage \$21,639 - Median Hourly Wage See (4)

Education, Training, and Library Workers, All Other, SOC Code 25-9199, Mean Annual Wage \$24,006 - Median Hourly Wage \$8.52

TABLE 4
LOWER LIVING STANDARD INCOME LEVEL (LLSIL)
AND POVERTY GUIDELINES
2002

Table 1 — San Diego Metropolitan Statistical Area

San Diego							
	Family Size						
	One Member	Two Member	Three Member	Four Member	Five Member	Six Member	Each Additional Member Add
70% LLSIL (a)							
Annual	\$8,450	\$13,850	\$19,010	\$23,460	\$27,690	\$32,380	\$4,690
6 Months	\$4,225	\$6,925	\$9,505	\$11,730	\$13,845	\$16,190	\$2,345
100%	\$12,070	\$19,780	\$27,150	\$33,510	\$39,550	\$46,250	\$6,700
Poverty Guidelines (a)							
Annual	\$8,860	\$11,940	\$15,020	\$18,100	\$21,180	\$24,260	\$3,080
6 Months	\$4,430	\$5,970	\$7,510	\$9,050	\$10,590	\$12,130	\$1,540

Table 2 — Los Angeles/Riverside/Orange County Metropolitan Statistical Area

Anaheim	Los Angeles County					San Bernardino County	
Carson/Lomita/Torrance	Orange County					SELACO	
Foothill	Riverside County					South Bay	
Long Beach	Santa Ana					Ventura	
Los Angeles City	San Bernardino City					Verdugo	
	Family Size						
	One Member	Two Member	Three Member	Four Member	Five Member	Six Member	Each Additional Member Add
70% LLSIL (a)							
Annual	\$7,900	\$12,940	\$17,770	\$21,930	\$25,880	\$30,270	\$4,390
6 Months	\$3,950	\$6,470	\$8,885	\$10,965	\$12,940	\$15,135	\$2,195
100%	\$11,280	\$18,490	\$25,380	\$31,330	\$36,970	\$43,240	\$6,270
Poverty Guidelines (a)							
Annual	\$8,860	\$11,940	\$15,020	\$18,100	\$21,180	\$24,260	\$3,080
6 Months	\$4,430	\$5,970	\$7,510	\$9,050	\$10,590	\$12,130	\$1,540

TABLE 4
LOWER LIVING STANDARD INCOME LEVEL (LLSIL)
AND POVERTY GUIDELINES
2002

Table 3 — San Francisco/Oakland/San Jose Metropolitan Statistical Area

Alameda	Oakland						Santa Cruz
Contra Costa	Richmond						Solano
Marin	San Francisco						Sonoma
Napa	San Jose						
NOVA	San Mateo						
	Family Size						
	One Member	Two Member	Three Member	Four Member	Five Member	Six Member	Each Additional Member Add
70% LLSIL (a)							
Annual	\$8,570	\$14,040	\$19,270	\$23,790	\$28,080	\$32,840	\$4,760
6 Months	\$4,285	\$7,020	\$9,635	\$11,895	\$14,040	\$16,420	\$2,380
100%	\$12,240	\$20,060	\$27,540	\$33,990	\$40,110	\$46,910	\$6,800
Poverty Guidelines (a)							
Annual	\$8,860	\$11,940	\$15,020	\$18,100	\$21,180	\$24,260	\$3,080
6 Months	\$4,430	\$5,970	\$7,510	\$9,050	\$10,590	\$12,130	\$1,540

Table 4 — Other Metropolitan Areas

Fresno	NoRTEC						Stanislaus
Golden Sierra	North Central						Tulare
Kern/Inyo/Mono	Sacramento						Yolo
Merced	San Joaquin						
Monterey	Santa Barbara						
	Family Size						
	One Member	Two Member	Three Member	Four Member	Five Member	Six Member	Each Additional Member Add
70% LLSIL (a)							
Annual	\$7,820	\$12,810	\$17,580	\$21,700	\$25,610	\$29,950	\$4,340
6 Months	\$3,910	\$6,405	\$8,790	\$10,850	\$12,805	\$14,975	\$2,170
100%	\$11,160	\$18,290	\$25,110	\$30,990	\$36,570	\$42,770	\$6,200
Poverty Guidelines (a)							
Annual	\$8,860	\$11,940	\$15,020	\$18,100	\$21,180	\$24,260	\$3,080
6 Months	\$4,430	\$5,970	\$7,510	\$9,050	\$10,590	\$12,130	\$1,540

TABLE 4
LOWER LIVING STANDARD INCOME LEVEL (LLSIL)
AND POVERTY GUIDELINES
2002

Table 5 — Nonmetropolitan Areas

Humboldt	Mother Lode						
Imperial	San Benito						
Kings	San Luis Obispo						
Madera							
Mendocino							
	Family Size						
	One Member	Two Member	Three Member	Four Member	Five Member	Six Member	Each Additional Member Add
70% LLSIL (a)							
Annual	\$7,560	\$12,390	\$17,010	\$20,990	\$24,770	\$28,970	\$4,200
6 Months	\$3,780	\$6,195	\$8,505	\$10,495	\$12,385	\$14,485	\$2,100
100%	\$10,800	\$17,690	\$24,290	\$29,980	\$35,380	\$41,380	\$6,000
Poverty Guidelines (a)							
Annual	\$8,860	\$11,940	\$15,020	\$18,100	\$21,180	\$24,260	\$3,080
6 Months	\$4,430	\$5,970	\$7,510	\$9,050	\$10,590	\$12,130	\$1,540

Source: State of California, Workforce Investment Division, Workforce Investment Act Directive, Number: WIAD01-18, Dated June 11, 2002.

(a) Tables 1 through 5 show the 70 percent LLSIL and the poverty guidelines for western metropolitan and nonmetropolitan areas, and for three specific Metropolitan Statistical Areas in California. In addition, each LLSIL table includes the 100 percent LLSIL that establishes the Department of Labor's minimum self-sufficiency levels. Each table specifies which areas encompass which Local Workforce Investment Area (LWIA). For a family of one, in all tables, the poverty guidelines exceed the 70 percent LLSIL and, therefore, should be used to establish the low-income status. For all other family sizes, the LLSILs exceed the poverty guidelines. The last column in each table shows the amount to be added to the figure for a family of six for each additional family member.

TABLE 5
WORKFORCE INVESTMENT ACT
PLANNING INFORMATION FOR LOCAL WORKFORCE INVESTMENT AREAS
SELECTED CHARACTERISTICS BY AGE

LWIA NAME: CONTRA COSTA COUNTY

JURISDICTIONS INCLUDED: CONTRA COSTA COUNTY (LESS RICHMOND CITY)

JANUARY 10, 2003

CHARACTERISTICS OF VARIOUS POTENTIAL CLIENT GROUPS

LABOR FORCE STATUS (1)	
EMPLOYED	445,175
UNEMPLOYED	21,126
UNEMPLOYMENT RATE	4.5
NOT IN LABOR FORCE (2)	213,199

2002 VETERAN INFORMATION - CONTRA COSTA COUNTY

TOTAL VETERANS (3)	69,168
MALE	65,252
FEMALE	3,916
VIETNAM ERA VETERANS - CENSUS 2000 (4)	25,039
DISABLED VETERANS (5)	5,601

OFFENDERS (6)	4,941
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% OF PEOPLE IN POVERTY: CONTRA COSTA COUNTY, 1998 (7)	8.1
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1990 CENSUS (8)

FAMILIES IN POVERTY AS A % OF ALL FAMILIES	4.6
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CHARACTERISTICS OF ECONOMICALLY DISADVANTAGED PERSONS 14 TO 72 YEARS OLD (9)

	14 - 15 (10)		16 - 21		22 - 54		55 - 72		Total 16 - 72	
	NUMBER	%	NUMBER	%	NUMBER	%	NUMBER	%	NUMBER	%
TOTAL ECONOMIC DISADVANTAGED	2,333	100.0	5,059	100.0	21,615	100.0	4,784	100.0	31,458	100.0
BY RACE:										
WHITE NOT HISPANIC	1,044	44.7	2,433	48.1	13,185	61.0	3,189	66.7	18,807	59.8
BLACK NOT HISPANIC	506	21.7	617	12.2	2,053	9.5	395	8.3	3,065	9.7
AMERICAN INDIAN NOT HISP	0	0	129	2.6	226	1.0	0	0	355	1.1
ASIAN NOT HISPANIC	267	11.4	621	12.3	2,160	10.0	403	8.4	3,184	10.1
PACIFIC ISLAND NOT HISP	0	0	11	0.2	116	0.5	79	1.7	206	0.7
HISPANIC	517	22.1	1,249	24.7	3,874	17.9	717	15.0	5,840	18.6
BY SEX:										
MALE	1,494	64.0	2,246	44.4	8,370	38.7	1,496	31.3	12,112	38.5
FEMALE	839	36.0	2,813	55.6	13,245	61.3	3,288	68.7	19,346	61.5
HIGH SCHOOL EXPERIENCE:										
DROPOUTS	33	1.4	1,245	24.6	5,494	25.4	1,933	40.4	8,672	27.6
GRADUATES	0	0	277	5.5	7,923	36.7	1,417	29.6	9,617	30.6
STUDENTS	913	39.1	1,573	31.1	278	1.3	3	0.1	1,854	5.9
DISABLED	39	1.7	251	5.0	4,015	18.6	2,148	44.9	6,414	20.4
LIMITED ENGLISH PROF	110	4.7	486	9.6	1,917	8.9	391	8.2	2,794	8.9

TABLE 5
WORKFORCE INVESTMENT ACT
PLANNING INFORMATION FOR LOCAL WORKFORCE INVESTMENT AREAS
SELECTED CHARACTERISTICS BY AGE

LWIA NAME: CITY OF RICHMOND
 JURISDICTIONS INCLUDED: RICHMOND CITY

JANUARY 10, 2003

CHARACTERISTICS OF VARIOUS POTENTIAL CLIENT GROUPS

LABOR FORCE STATUS (1)		
EMPLOYED		48,210
UNEMPLOYED		4,106
UNEMPLOYMENT RATE		7.8
NOT IN LABOR FORCE (2)		24,614
2002 VETERAN INFORMATION - CONTRA COSTA COUNTY		
TOTAL VETERANS (3)		69,168
MALE		65,252
FEMALE		3,916
VIETNAM ERA VETERANS - CENSUS 2000 (4)		25,039
DISABLED VETERANS (5)		5,601
OFFENDERS (6)		1,066
% OF PEOPLE IN POVERTY: CONTRA COSTA COUNTY, 1998 (7)		8.1

1990 CENSUS (8)

FAMILIES IN POVERTY AS A % OF ALL FAMILIES 13.5

CHARACTERISTICS OF ECONOMICALLY DISADVANTAGED PERSONS 14 TO 72 YEARS OLD (9)

	14 - 15 (10)		16 - 21		22 - 54		55 - 72		Total 16 - 72	
	NUMBER	%	NUMBER	%	NUMBER	%	NUMBER	%	NUMBER	%
TOTAL ECONOMIC DISADVANTAGED	583	100.0	1,539	100.0	6,286	100.0	1,194	100.0	9,019	100.0
BY RACE:										
WHITE NOT HISPANIC	60	10.2	209	13.5	1,283	20.4	270	22.6	1,762	19.5
BLACK NOT HISPANIC	328	56.2	727	47.2	3,044	48.4	544	45.5	4,315	47.8
AMERICAN INDIAN NOT HISP	0	0.0	0	0.0	75	1.2	57	4.7	132	1.5
ASIAN NOT HISPANIC	60	10.2	232	15.0	499	7.9	159	13.3	890	9.9
PACIFIC ISLAND NOT HISP	17	2.9	15	1.0	43	0.7	0	0.0	58	0.6
HISPANIC	119	20.4	357	23.2	1,342	21.4	164	13.8	1,863	20.7
BY SEX:										
MALE	380	61.7	622	40.4	2,270	36.1	423	35.4	3,315	36.8
FEMALE	223	38.3	917	59.6	4,016	63.9	771	64.6	5,704	63.2
HIGH SCHOOL EXPERIENCE:										
DROPOUTS	32	5.5	469	30.5	2,427	38.6	643	53.9	3,539	39.2
GRADUATES	0	0.0	124	8.1	1,539	24.5	319	26.7	1,982	22.0
STUDENTS	208	35.7	514	33.4	212	3.4	31	2.6	757	8.4
DISABLED	12	2.1	68	4.4	1,332	21.2	572	47.9	1,972	21.9
LIMITED ENGLISH PROF	20	3.4	193	12.5	941	15.0	138	11.6	1,272	14.1

TABLE 5
WORKFORCE INVESTMENT ACT
PLANNING INFORMATION FOR LOCAL WORKFORCE INVESTMENT AREAS
SELECTED CHARACTERISTICS BY AGE

Footnotes and data sources:

Source: Employment Development Department, Labor Market Information Division,
 Current Economic Statistics Group.

Note: Data provided are the most recent available.

- (1) Labor force in this category refers to civilian labor force (16 years and older). This category includes, but is not limited to, the economically disadvantaged. Labor Force data are based on preliminary data (monthly average) for the period 12/2001 through 11/2002. March 2001 Benchmark.
- (2) Not in labor force (16 years and older) are those who are not employed and not actively seeking employment. This category includes, but is not limited to, the economically disadvantaged. Not in labor force data are based on preliminary labor force data (12/01 - 11/02), Department of Finance populations estimates as of 1/02 and working age populations from 1990 census data.
- (3) Department of Veterans Affairs, Office of the Actuary, Estimated Veteran Totals, September 30, 2002, Washington, D.C.
- (4) U.S. Census Bureau, Census 2000, American FactFinder.
- (5) Department of Veterans Affairs, Statistics for Veterans Receiving Compensation and Pension Benefits, February 14, 2002, Washington, D.C.
- (6) 2001 Criminal Justice Profile, California Department of Justice.
- (7) U.S. Census Bureau. County Estimates for People of All Ages in Poverty by County: California 1998 (Estimates model 1998 income reported in the March 1999 Current Population Survey.)
- (8) Based on poverty data from the 1990 census. The 2000 census data will not be available until 2005. The economically disadvantaged population was provided by the Employment and Training Administration from a custom tabulation provided by the United States Bureau of Census.
- (9) Data for each characteristic in this section were derived by an independent estimating process using census summary data and census public use micro sample. Totals may not match other data from the same sources.
- (10) Data are not included in **Total 16 - 72** column.

Table DP-1. Profile of General Demographic Characteristics: 2000

Geographic Area: Contra Costa County, California

[For information on confidentiality protection, nonsampling error, and definitions, see text]

Subject	Number	Percent	Subject	Number	Percent
Total population	948,816	100.0	HISPANIC OR LATINO AND RACE		
SEX AND AGE			Total population	948,816	100.0
Male.....	463,270	48.8	Hispanic or Latino (of any race).....	167,776	17.7
Female.....	485,546	51.2	Mexican.....	112,245	11.8
Under 5 years.....	66,128	7.0	Puerto Rican.....	4,957	0.5
5 to 9 years.....	73,031	7.7	Cuban.....	1,167	0.1
10 to 14 years.....	72,017	7.6	Other Hispanic or Latino.....	49,407	5.2
15 to 19 years.....	63,124	6.7	Not Hispanic or Latino.....	781,040	82.3
20 to 24 years.....	50,696	5.3	White alone.....	549,409	57.9
25 to 34 years.....	126,387	13.3	RELATIONSHIP		
35 to 44 years.....	163,755	17.3	Total population	948,816	100.0
45 to 54 years.....	141,988	15.0	In households.....	937,479	98.8
55 to 59 years.....	48,758	5.1	Householder.....	344,129	36.3
60 to 64 years.....	35,660	3.8	Spouse.....	187,613	19.8
65 to 74 years.....	54,722	5.8	Child.....	290,908	30.7
75 to 84 years.....	39,179	4.1	Own child under 18 years.....	225,435	23.8
85 years and over.....	13,371	1.4	Other relatives.....	60,893	6.4
Median age (years).....	36.4	(X)	Under 18 years.....	20,504	2.2
18 years and over.....	697,022	73.5	Nonrelatives.....	53,936	5.7
Male.....	334,329	35.2	Unmarried partner.....	19,228	2.0
Female.....	362,693	38.2	In group quarters.....	11,337	1.2
21 years and over.....	663,802	70.0	Institutionalized population.....	5,292	0.6
62 years and over.....	127,406	13.4	Noninstitutionalized population.....	6,045	0.6
65 years and over.....	107,272	11.3	HOUSEHOLD BY TYPE		
Male.....	44,351	4.7	Total households	344,129	100.0
Female.....	62,921	6.6	Family households (families).....	242,233	70.4
RACE			With own children under 18 years.....	121,884	35.4
One race.....	900,102	94.9	Married-couple family.....	187,613	54.5
White.....	621,490	65.5	With own children under 18 years.....	91,975	26.7
Black or African American.....	88,813	9.4	Female householder, no husband present.....	39,683	11.5
American Indian and Alaska Native.....	5,830	0.6	With own children under 18 years.....	22,363	6.5
Asian.....	103,993	11.0	Nonfamily households.....	101,896	29.6
Asian Indian.....	11,683	1.2	Householder living alone.....	78,759	22.9
Chinese.....	28,948	3.1	Householder 65 years and over.....	27,559	8.0
Filipino.....	34,595	3.6	Households with individuals under 18 years.....	133,372	38.8
Japanese.....	7,867	0.8	Households with individuals 65 years and over.....	76,255	22.2
Korean.....	5,142	0.5	Average household size.....	2.72	(X)
Vietnamese.....	5,168	0.5	Average family size.....	3.23	(X)
Other Asian ¹	10,590	1.1	HOUSING OCCUPANCY		
Native Hawaiian and Other Pacific Islander.....	3,466	0.4	Total housing units	354,577	100.0
Native Hawaiian.....	724	0.1	Occupied housing units.....	344,129	97.1
Guamanian or Chamorro.....	545	0.1	Vacant housing units.....	10,448	2.9
Samoan.....	634	0.1	For seasonal, recreational, or		
Other Pacific Islander ²	1,563	0.2	occasional use.....	1,849	0.5
Some other race.....	76,510	8.1	Homeowner vacancy rate (percent).....	0.8	(X)
Two or more races.....	48,714	5.1	Rental vacancy rate (percent).....	2.7	(X)
Race alone or in combination with one			HOUSING TENURE		
or more other races: ³			Occupied housing units	344,129	100.0
White.....	661,457	69.7	Owner-occupied housing units.....	238,449	69.3
Black or African American.....	97,879	10.3	Renter-occupied housing units.....	105,680	30.7
American Indian and Alaska Native.....	14,926	1.6	Average household size of owner-occupied units.....	2.78	(X)
Asian.....	121,969	12.9	Average household size of renter-occupied units.....	2.59	(X)
Native Hawaiian and Other Pacific Islander.....	7,221	0.8			
Some other race.....	98,210	10.4			

- Represents zero or rounds to zero. (X) Not applicable.

¹ Other Asian alone, or two or more Asian categories.

² Other Pacific Islander alone, or two or more Native Hawaiian and Other Pacific Islander categories.

³ In combination with one or more of the other races listed. The six numbers may add to more than the total population and the six percentages may add to more than 100 percent because individuals may report more than one race.

Source: U.S. Census Bureau, Census 2000.

Table DP-2. Profile of Selected Social Characteristics: 2000

Geographic area: Contra Costa County, California

[Data based on a sample. For information on confidentiality protection, sampling error, nonsampling error, and definitions, see text]

Subject	Number	Percent	Subject	Number	Percent
SCHOOL ENROLLMENT			NATIVITY AND PLACE OF BIRTH		
Population 3 years and over enrolled in school	270,131	100.0	Total population	948,816	100.0
Nursery school, preschool	18,809	7.0	Native	768,328	81.0
Kindergarten	14,134	5.2	Born in United States	757,959	79.9
Elementary school (grades 1-8)	119,161	44.1	State of residence	518,090	54.6
High school (grades 9-12)	56,052	20.7	Different state	239,869	25.3
College or graduate school	61,975	22.9	Born outside United States	10,369	1.1
EDUCATIONAL ATTAINMENT			Foreign born	180,488	19.0
Population 25 years and over	625,641	100.0	Entered 1990 to March 2000	66,232	7.0
Less than 9th grade	32,804	5.2	Naturalized citizen	82,317	8.7
9th to 12th grade, no diploma	49,063	7.8	Not a citizen	98,171	10.3
High school graduate (includes equivalency)	123,956	19.8	REGION OF BIRTH OF FOREIGN BORN		
Some college, no degree	152,680	24.4	Total (excluding born at sea)	180,488	100.0
Associate degree	48,090	7.7	Europe	21,866	12.1
Bachelor's degree	142,909	22.8	Asia	74,119	41.1
Graduate or professional degree	76,139	12.2	Africa	3,666	2.0
Percent high school graduate or higher	86.9	(X)	Oceania	2,445	1.4
Percent bachelor's degree or higher	35.0	(X)	Latin America	73,700	40.8
MARITAL STATUS			Northern America	4,692	2.6
Population 15 years and over	737,293	100.0	LANGUAGE SPOKEN AT HOME		
Never married	189,832	25.7	Population 5 years and over	883,762	100.0
Now married, except separated	416,292	56.5	English only	654,278	74.0
Separated	13,383	1.8	Language other than English	229,484	26.0
Widowed	43,390	5.9	Speak English less than "very well"	101,195	11.5
Female	35,188	4.8	Spanish	115,740	13.1
Divorced	74,396	10.1	Speak English less than "very well"	58,661	6.6
Female	45,387	6.2	Other Indo-European languages	42,090	4.8
GRANDPARENTS AS CAREGIVERS			Speak English less than "very well"	12,407	1.4
Grandparent living in household with one or more own grandchildren under 18 years	21,257	100.0	Asian and Pacific Island languages	65,950	7.5
Grandparent responsible for grandchildren	7,482	35.2	Speak English less than "very well"	28,793	3.3
VETERAN STATUS			ANCESTRY (single or multiple)		
Civilian population 18 years and over ..	697,178	100.0	Total population	948,816	100.0
Civilian veterans	80,775	11.6	Total ancestries reported	1,076,373	113.4
DISABILITY STATUS OF THE CIVILIAN NONINSTITUTIONALIZED POPULATION			Arab	5,127	0.5
Population 5 to 20 years	218,776	100.0	Czech ¹	3,969	0.4
With a disability	15,112	6.9	Danish	9,176	1.0
Population 21 to 64 years	555,146	100.0	Dutch	14,282	1.5
With a disability	91,254	16.4	English	93,947	9.9
Percent employed	57.8	(X)	French (except Basque) ¹	26,933	2.8
No disability	463,892	83.6	French Canadian ¹	4,609	0.5
Percent employed	77.4	(X)	German	117,669	12.4
Population 65 years and over	103,969	100.0	Greek	5,177	0.5
With a disability	41,206	39.6	Hungarian	3,816	0.4
RESIDENCE IN 1995			Irish ¹	104,858	11.1
Population 5 years and over	883,762	100.0	Italian	66,945	7.1
Same house in 1995	469,796	53.2	Lithuanian	1,771	0.2
Different house in the U.S. in 1995	381,664	43.2	Norwegian	17,094	1.8
Same county	212,583	24.1	Polish	17,039	1.8
Different county	169,081	19.1	Portuguese	19,011	2.0
Same state	128,191	14.5	Russian	12,115	1.3
Different state	40,890	4.6	Scotch-Irish	15,261	1.6
Elsewhere in 1995	32,302	3.7	Scottish	21,408	2.3
			Slovak	583	0.1
			Subsaharan African	7,529	0.8
			Swedish	19,388	2.0
			Swiss	4,743	0.5
			Ukrainian	2,321	0.2
			United States or American	29,625	3.1
			Welsh	7,597	0.8
			West Indian (excluding Hispanic groups)	1,199	0.1
			Other ancestries	443,181	46.7

-Represents zero or rounds to zero. (X) Not applicable.

¹The data represent a combination of two ancestries shown separately in Summary File 3. Czech includes Czechoslovakian. French includes Alsatian. French Canadian includes Acadian/Cajun. Irish includes Celtic.

Source: U.S. Bureau of the Census, Census 2000.

Table DP-3. Profile of Selected Economic Characteristics: 2000

Geographic area: Contra Costa County, California

Data based on a sample. For information on confidentiality protection, sampling error, nonsampling error, and definitions, see text

Subject	Number	Percent	Subject	Number	Percent
EMPLOYMENT STATUS			INCOME IN 1999		
Population 16 years and over	724,451	100.0	Households	344,422	100.0
In labor force	474,669	65.5	Less than \$10,000	17,656	5.1
Civilian labor force	474,037	65.4	\$10,000 to \$14,999	12,393	3.6
Employed	451,357	62.3	\$15,000 to \$24,999	25,908	7.5
Unemployed	22,680	3.1	\$25,000 to \$34,999	29,345	8.5
Percent of civilian labor force	4.8	(X)	\$35,000 to \$49,999	46,316	13.4
Armed Forces	632	0.1	\$50,000 to \$74,999	69,476	20.2
Not in labor force	249,782	34.5	\$75,000 to \$99,999	51,287	14.9
Females 16 years and over	377,177	100.0	\$100,000 to \$149,999	52,442	15.2
In labor force	220,110	58.4	\$150,000 to \$199,999	19,385	5.6
Civilian labor force	219,996	58.3	\$200,000 or more	20,214	5.9
Employed	208,964	55.4	Median household income (dollars)	63,675	(X)
Own children under 6 years	75,594	100.0	With earnings	287,967	83.6
All parents in family in labor force	40,548	53.6	Mean earnings (dollars) ¹	82,182	(X)
COMMUTING TO WORK			With Social Security income	77,906	22.6
Workers 16 years and over	442,008	100.0	Mean Social Security income (dollars) ¹	12,073	(X)
Car, truck, or van -- drove alone	310,286	70.2	With Supplemental Security Income	13,690	4.0
Car, truck, or van -- carpooled	59,769	13.5	Mean Supplemental Security Income (dollars) ¹	7,498	(X)
Public transportation (including taxicab)	39,652	9.0	With public assistance income	9,745	2.8
Walked	6,631	1.5	Mean public assistance income (dollars) ¹	4,668	(X)
Other means	6,694	1.5	With retirement income	61,478	17.8
Worked at home	18,976	4.3	Mean retirement income (dollars) ¹	21,794	(X)
Mean travel time to work (minutes) ¹	34.4	(X)	Families	243,971	100.0
Employed civilian population 16 years and over	451,357	100.0	Less than \$10,000	7,788	3.2
OCCUPATION			\$10,000 to \$14,999	5,817	2.4
Management, professional, and related occupations	185,100	41.0	\$15,000 to \$24,999	14,033	5.8
Service occupations	60,299	13.4	\$25,000 to \$34,999	17,236	7.1
Sales and office occupations	126,183	28.0	\$35,000 to \$49,999	30,256	12.4
Farming, fishing, and forestry occupations	937	0.2	\$50,000 to \$74,999	50,014	20.5
Construction, extraction, and maintenance occupations	40,341	8.9	\$75,000 to \$99,999	40,142	16.5
Production, transportation, and material moving occupations	38,497	8.5	\$100,000 to \$149,999	44,270	18.1
INDUSTRY			\$150,000 to \$199,999	16,522	6.8
Agriculture, forestry, fishing and hunting, and mining	2,311	0.5	\$200,000 or more	17,893	7.3
Construction	34,403	7.6	Median family income (dollars)	73,039	(X)
Manufacturing	38,281	8.5	Per capita income (dollars) ¹	30,615	(X)
Wholesale trade	15,821	3.5	Median earnings (dollars):		
Retail trade	53,231	11.8	Male full-time, year-round workers	52,670	(X)
Transportation and warehousing, and utilities	24,391	5.4	Female full-time, year-round workers	38,630	(X)
Information	20,892	4.6			
Finance, insurance, real estate, and rental and leasing	47,361	10.5		Number below poverty level	Percent below poverty level
Professional, scientific, management, administrative, and waste management services	65,332	14.5	POVERTY STATUS IN 1999		
Educational, health and social services	79,967	17.7	Families	13,068	5.4
Arts, entertainment, recreation, accommodation and food services	28,585	6.3	With related children under 18 years	10,565	7.9
Other services (except public administration)	21,979	4.9	With related children under 5 years	5,114	9.7
Public administration	18,803	4.2	Families with female householder, no husband present	6,333	16.8
CLASS OF WORKER			With related children under 18 years	5,586	22.2
Private wage and salary workers	348,668	77.2	With related children under 5 years	2,416	31.3
Government workers	62,936	13.9	Individuals	71,575	7.6
Self-employed workers in own not incorporated business	38,535	8.5	18 years and over	46,471	6.7
Unpaid family workers	1,218	0.3	65 years and over	6,224	6.0
			Related children under 18 years	23,980	9.8
			Related children 5 to 17 years	17,162	9.4
			Unrelated individuals 15 years and over	23,661	15.7

-Represents zero or rounds to zero. (X) Not applicable.

¹If the denominator of a mean value or per capita value is less than 30, then that value is calculated using a rounded aggregate in the numerator. See text.

Source: U.S. Bureau of the Census, Census 2000.

Table DP-4. Profile of Selected Housing Characteristics: 2000

Geographic area: Contra Costa County, California

[Data based on a sample. For information on confidentiality protection, sampling error, nonsampling error, and definitions, see text]

Subject	Number	Percent	Subject	Number	Percent
Total housing units.....	354,577	100.0	OCCUPANTS PER ROOM		
UNITS IN STRUCTURE			Occupied housing units	344,129	100.0
1-unit, detached.....	232,050	65.4	1.00 or less.....	318,601	92.6
1-unit, attached.....	29,976	8.5	1.01 to 1.50.....	12,976	3.8
2 units.....	6,506	1.8	1.51 or more.....	12,552	3.6
3 or 4 units.....	18,424	5.2			
5 to 9 units.....	16,606	4.7	Specified owner-occupied units	210,343	100.0
10 to 19 units.....	11,701	3.3	VALUE		
20 or more units.....	31,757	9.0	Less than \$50,000.....	1,609	0.8
Mobile-home.....	7,120	2.0	\$50,000 to \$99,999.....	5,140	2.4
Boat, RV, van, etc.....	437	0.1	\$100,000 to \$149,999.....	21,343	10.1
			\$150,000 to \$199,999.....	36,482	17.3
YEAR STRUCTURE BUILT:			\$200,000 to \$299,999.....	55,829	26.5
1999 to March 2000.....	5,334	1.5	\$300,000 to \$499,999.....	52,615	25.0
1995 to 1998.....	18,837	5.3	\$500,000 to \$999,999.....	32,742	15.6
1990 to 1994.....	28,608	8.1	\$1,000,000 or more.....	4,583	2.2
1980 to 1989.....	68,013	19.2	Median (dollars).....	267,800	(X)
1970 to 1979.....	75,286	21.2			
1960 to 1969.....	61,263	17.3	MORTGAGE STATUS AND SELECTED		
1940 to 1959.....	80,764	22.8	MONTHLY OWNER COSTS		
1939 or earlier.....	16,472	4.6	With a mortgage.....	172,002	81.8
ROOMS			Less than \$300.....	375	0.2
1 room.....	6,965	2.0	\$300 to \$499.....	2,360	1.1
2 rooms.....	18,989	5.4	\$500 to \$699.....	4,675	2.2
3 rooms.....	33,855	9.5	\$700 to \$999.....	14,118	6.7
4 rooms.....	48,274	13.6	\$1,000 to \$1,499.....	44,335	21.1
5 rooms.....	66,150	18.7	\$1,500 to \$1,999.....	44,086	21.0
6 rooms.....	65,114	18.4	\$2,000 or more.....	62,053	29.5
7 rooms.....	50,744	14.3	Median (dollars).....	1,614	(X)
8 rooms.....	37,277	10.5	Not mortgaged.....	38,341	18.2
9 or more rooms.....	27,209	7.7	Median (dollars).....	350	(X)
Median (rooms).....	5.5	(X)			
Occupied housing units	344,129	100.0	SELECTED MONTHLY OWNER COSTS		
YEAR HOUSEHOLDER MOVED INTO UNIT			AS A PERCENTAGE OF HOUSEHOLD		
1999 to March 2000.....	63,538	18.5	INCOME IN 1999		
1995 to 1998.....	103,615	30.1	Less than 15.0 percent.....	57,719	27.4
1990 to 1994.....	58,468	17.0	15.0 to 19.9 percent.....	31,274	14.9
1980 to 1989.....	56,633	16.5	20.0 to 24.9 percent.....	31,561	15.0
1970 to 1979.....	33,915	9.9	25.0 to 29.9 percent.....	25,763	12.2
1969 or earlier.....	27,960	8.1	30.0 to 34.9 percent.....	17,826	8.5
			35.0 percent or more.....	45,117	21.4
VEHICLES AVAILABLE			Not computed.....	1,083	0.5
None.....	22,353	6.5			
1.....	104,978	30.5	Specified renter-occupied units	105,389	100.0
2.....	140,655	40.9	GROSS RENT		
3 or more.....	76,143	22.1	Less than \$200.....	2,589	2.5
			\$200 to \$299.....	2,861	2.7
HOUSE HEATING FUEL			\$300 to \$499.....	5,792	5.5
Utility gas.....	258,765	75.2	\$500 to \$749.....	21,180	20.1
Bottled, tank, or LP gas.....	5,024	1.5	\$750 to \$999.....	30,713	29.1
Electricity.....	76,315	22.2	\$1,000 to \$1,499.....	28,644	27.2
Fuel oil, kerosene, etc.....	325	0.1	\$1,500 or more.....	11,068	10.5
Coal or coke.....	7	-	No cash rent.....	2,542	2.4
Wood.....	2,308	0.7	Median (dollars).....	898	(X)
Solar energy.....	140	-			
Other fuel.....	406	0.1	GROSS RENT AS A PERCENTAGE OF		
No fuel used.....	839	0.2	HOUSEHOLD INCOME IN 1999		
SELECTED CHARACTERISTICS			Less than 15.0 percent.....	15,917	15.1
Lacking complete plumbing facilities.....	1,311	0.4	15.0 to 19.9 percent.....	15,039	14.3
Lacking complete kitchen facilities.....	1,682	0.5	20.0 to 24.9 percent.....	15,231	14.5
No telephone service.....	2,923	0.8	25.0 to 29.9 percent.....	11,981	11.4
			30.0 to 34.9 percent.....	9,211	8.7
			35.0 percent or more.....	33,605	31.9
			Not computed.....	4,405	4.2

-Represents zero or rounds to zero. (X) Not applicable.

Source: U.S. Bureau of the Census, Census 2000.

Explanation Of Terms And Concepts

American Indian and Alaska Native: A person having origins in any of the original peoples of North and South America (including Central America), and who maintain tribal affiliation or community attachment.

Asian: A person having origins in any of the original peoples of the Far East, Southeast Asia, or the Indian subcontinent.

Black or African American: A person having origins in any of the Black racial groups of Africa.

CalWORKs: California Work Opportunity and Responsibility to Kids is a state designed public assistance program. Focus is on work and training; those who seek welfare must also seek work. Time and aid limits apply.

Food Stamp Recipient: A person receiving food stamp coupons that can be exchanged for groceries.

General Relief: A county administered assistance program which includes interim payments to the disabled, and payments to individuals who are ineligible for other assistance programs, such as CalWORKs and Refugee Cash Assistance.

Hispanic: Census 2000 adheres to the federal standards for collecting and presenting data on race and Hispanic origin as established by the Office of Management and Budget (OMB) in October 1997. The OMB defines Hispanic or Latino as "a person of Cuban, Mexican, Puerto Rican, South or Central American, or other Spanish culture or origin regardless of race."

Native Hawaiian and Other Pacific Islander: A person having origins in any of the original peoples of Hawaii, Guam, Samoa, or other Pacific Islands.

Public Assistance Recipient: A person receiving cash welfare payments and/or nonmonetary benefits under federal, state, or local welfare programs.

Refugee Cash Assistance: A cash assistance and employment services program designed for adults without children who have official status as refugee, and who have been in the United States for less than eight months. Aid is limited to eight months.

Some Other Race: Includes all other census responses not included in the "White," "Black or African American," "American Indian and Alaska Native," "Asian," and the "Native Hawaiian and Other Pacific Islander" race categories. Respondents providing write-in entries such as multiracial, mixed, interracial, or a Hispanic/Latino group (for example, Mexican, Puerto Rican, or Cuban) are included in this category.

Two or More Races: Refers to a classification of census respondents who chose to provide two or more races.

Veteran: A person who has served but is not now serving in the armed forces of the United States.

Vietnam-Era Veteran: A person who served between August 5, 1964, and May 7, 1975, but is not now serving in the armed forces of the United States.

Welfare-To-Work Program: The Welfare-To-Work Program helps family members acquire the skills needed to get a job. The county will determine if a family must participate in Welfare-To-Work activities as a requirement for CalWORKs. Families may also volunteer to participate.

White: A person having origins in any of the original peoples of Europe, the Middle East, or North Africa.

